

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082120\  
 Data File : BF121383.D  
 Acq On : 21 Aug 2020 23:23  
 Operator : JU/CG  
 Sample : L3734-02 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EROC-BF-1A

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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-BF081920.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.210       | 357           | 361         | 368          | rBV      | 146227         | 187822        | 10.78%          | 0.942%        |
| 2         | 4.875       | 469           | 474         | 487          | rBV      | 957979         | 1085470       | 62.28%          | 5.444%        |
| 3         | 5.304       | 544           | 547         | 564          | rBV      | 541370         | 562031        | 32.25%          | 2.819%        |
| 4         | 5.939       | 652           | 655         | 663          | rBV2     | 36135          | 51293         | 2.94%           | 0.257%        |
| 5         | 6.339       | 719           | 723         | 737          | rBV      | 1420931        | 1305122       | 74.88%          | 6.545%        |
| 6         | 6.534       | 752           | 756         | 761          | rBV3     | 36023          | 43792         | 2.51%           | 0.220%        |
| 7         | 6.698       | 780           | 784         | 791          | rBV      | 1025103        | 920849        | 52.83%          | 4.618%        |
| 8         | 7.263       | 876           | 880         | 884          | rBV      | 1006927        | 935457        | 53.67%          | 4.691%        |
| 9         | 7.298       | 884           | 886         | 890          | rVB      | 57844          | 44552         | 2.56%           | 0.223%        |
| 10        | 7.863       | 978           | 982         | 984          | rBV3     | 22930          | 26479         | 1.52%           | 0.133%        |
| 11        | 7.981       | 996           | 1002        | 1005         | rBV      | 1419969        | 1216230       | 69.78%          | 6.100%        |
| 12        | 8.275       | 1047          | 1052        | 1055         | rBV6     | 19225          | 31426         | 1.80%           | 0.158%        |
| 13        | 8.363       | 1064          | 1067        | 1070         | rVB      | 23236          | 20909         | 1.20%           | 0.105%        |
| 14        | 8.404       | 1070          | 1074        | 1076         | rBV      | 40480          | 36749         | 2.11%           | 0.184%        |
| 15        | 8.481       | 1084          | 1087        | 1090         | rBV2     | 23472          | 21376         | 1.23%           | 0.107%        |
| 16        | 8.575       | 1099          | 1103        | 1106         | rBV      | 113037         | 88769         | 5.09%           | 0.445%        |
| 17        | 8.692       | 1121          | 1123        | 1126         | rVB      | 40336          | 29082         | 1.67%           | 0.146%        |
| 18        | 8.792       | 1131          | 1140        | 1144         | rBV2     | 30707          | 49742         | 2.85%           | 0.249%        |
| 19        | 8.939       | 1160          | 1165        | 1168         | rVB3     | 18644          | 21901         | 1.26%           | 0.110%        |
| 20        | 9.004       | 1173          | 1176        | 1180         | rVB2     | 41172          | 40105         | 2.30%           | 0.201%        |
| 21        | 9.051       | 1180          | 1184        | 1188         | rBV      | 2013921        | 1742994       | 100.00%         | 8.741%        |
| 22        | 9.139       | 1194          | 1199        | 1203         | rBV      | 129378         | 126633        | 7.27%           | 0.635%        |
| 23        | 9.322       | 1223          | 1230        | 1235         | rBV3     | 30315          | 54510         | 3.13%           | 0.273%        |
| 24        | 9.392       | 1239          | 1242        | 1244         | rVV2     | 54428          | 57749         | 3.31%           | 0.290%        |
| 25        | 9.416       | 1244          | 1246        | 1248         | rVV2     | 43533          | 37008         | 2.12%           | 0.186%        |
| 26        | 9.451       | 1248          | 1252        | 1255         | rVV2     | 175843         | 199646        | 11.45%          | 1.001%        |
| 27        | 9.516       | 1259          | 1263        | 1266         | rVB4     | 27970          | 39610         | 2.27%           | 0.199%        |
| 28        | 9.592       | 1273          | 1276        | 1281         | rBV      | 28875          | 30349         | 1.74%           | 0.152%        |
| 29        | 9.669       | 1286          | 1289        | 1291         | rVV      | 122418         | 103375        | 5.93%           | 0.518%        |
| 30        | 9.727       | 1296          | 1299        | 1303         | rVV      | 1364770        | 1212209       | 69.55%          | 6.079%        |
| 31        | 9.763       | 1303          | 1305        | 1308         | rVB2     | 35884          | 35519         | 2.04%           | 0.178%        |
| 32        | 9.839       | 1314          | 1318        | 1322         | rVB3     | 25575          | 31146         | 1.79%           | 0.156%        |
| 33        | 9.892       | 1322          | 1327        | 1328         | rBV4     | 18308          | 22585         | 1.30%           | 0.113%        |
| 34        | 9.933       | 1331          | 1334        | 1336         | rVB2     | 36411          | 33516         | 1.92%           | 0.168%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
 Data File : BF121383.D  
 Acq On : 21 Aug 2020 23:23  
 Operator : JU/CG  
 Sample : L3734-02 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EROC-BF-1A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF081920.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.975  | 1339 | 1341 | 1342 | rBV  | 25548   | 20544   | 1.18%  | 0.103% |
| 36 | 10.045 | 1351 | 1353 | 1356 | rBV2 | 25223   | 27895   | 1.60%  | 0.140% |
| 37 | 10.133 | 1365 | 1368 | 1370 | rBV  | 32220   | 30841   | 1.77%  | 0.155% |
| 38 | 10.163 | 1370 | 1373 | 1376 | rVB  | 131387  | 111463  | 6.39%  | 0.559% |
| 39 | 10.275 | 1389 | 1392 | 1394 | rBV2 | 27481   | 25892   | 1.49%  | 0.130% |
| 40 | 10.386 | 1408 | 1411 | 1414 | rVB  | 60275   | 52294   | 3.00%  | 0.262% |
| 41 | 10.439 | 1416 | 1420 | 1423 | rVB5 | 24747   | 31813   | 1.83%  | 0.160% |
| 42 | 10.469 | 1423 | 1425 | 1428 | rBV3 | 19170   | 25777   | 1.48%  | 0.129% |
| 43 | 10.516 | 1428 | 1433 | 1437 | rBV  | 168937  | 176017  | 10.10% | 0.883% |
| 44 | 10.639 | 1451 | 1454 | 1461 | rBV2 | 160760  | 242444  | 13.91% | 1.216% |
| 45 | 10.704 | 1461 | 1465 | 1467 | rBV  | 65603   | 66599   | 3.82%  | 0.334% |
| 46 | 10.733 | 1467 | 1470 | 1473 | rVV2 | 72232   | 88453   | 5.07%  | 0.444% |
| 47 | 10.769 | 1473 | 1476 | 1478 | rVV  | 92116   | 91748   | 5.26%  | 0.460% |
| 48 | 10.792 | 1478 | 1480 | 1482 | rVV  | 54186   | 47995   | 2.75%  | 0.241% |
| 49 | 10.833 | 1482 | 1487 | 1488 | rVV4 | 47096   | 72552   | 4.16%  | 0.364% |
| 50 | 10.851 | 1488 | 1490 | 1492 | rVV  | 58432   | 57146   | 3.28%  | 0.287% |
| 51 | 10.880 | 1492 | 1495 | 1499 | rVV3 | 68262   | 97292   | 5.58%  | 0.488% |
| 52 | 10.922 | 1499 | 1502 | 1504 | rVV  | 71001   | 82545   | 4.74%  | 0.414% |
| 53 | 10.957 | 1506 | 1508 | 1515 | rVB2 | 62339   | 74141   | 4.25%  | 0.372% |
| 54 | 11.086 | 1526 | 1530 | 1532 | rBV  | 130734  | 119602  | 6.86%  | 0.600% |
| 55 | 11.116 | 1532 | 1535 | 1539 | rVB2 | 77202   | 82984   | 4.76%  | 0.416% |
| 56 | 11.216 | 1548 | 1552 | 1554 | rBV  | 1122206 | 1054107 | 60.48% | 5.287% |
| 57 | 11.233 | 1554 | 1555 | 1559 | rVV  | 239342  | 192597  | 11.05% | 0.966% |
| 58 | 11.286 | 1562 | 1564 | 1568 | rVB  | 54101   | 51878   | 2.98%  | 0.260% |
| 59 | 11.327 | 1568 | 1571 | 1574 | rBV4 | 19075   | 23469   | 1.35%  | 0.118% |
| 60 | 11.445 | 1589 | 1591 | 1593 | rBV  | 20199   | 22680   | 1.30%  | 0.114% |
| 61 | 11.510 | 1599 | 1602 | 1605 | rBV  | 111365  | 91590   | 5.25%  | 0.459% |
| 62 | 11.610 | 1616 | 1619 | 1625 | rVB  | 182926  | 163831  | 9.40%  | 0.822% |
| 63 | 11.716 | 1635 | 1637 | 1639 | rBV  | 45586   | 35723   | 2.05%  | 0.179% |
| 64 | 11.745 | 1639 | 1642 | 1644 | rVB  | 59841   | 48605   | 2.79%  | 0.244% |
| 65 | 11.827 | 1652 | 1656 | 1658 | rBV  | 59998   | 69673   | 4.00%  | 0.349% |
| 66 | 11.851 | 1658 | 1660 | 1664 | rVB2 | 38210   | 36015   | 2.07%  | 0.181% |
| 67 | 11.916 | 1668 | 1671 | 1674 | rBV  | 93945   | 80226   | 4.60%  | 0.402% |
| 68 | 12.010 | 1685 | 1687 | 1689 | rBV2 | 31657   | 32397   | 1.86%  | 0.162% |
| 69 | 12.139 | 1707 | 1709 | 1711 | rBV  | 31377   | 29145   | 1.67%  | 0.146% |
| 70 | 12.186 | 1714 | 1717 | 1720 | rBV2 | 86037   | 89257   | 5.12%  | 0.448% |
| 71 | 12.263 | 1728 | 1730 | 1732 | rBV  | 58842   | 50636   | 2.91%  | 0.254% |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082120\  
 Data File : BF121383.D  
 Acq On : 21 Aug 2020 23:23  
 Operator : JU/CG  
 Sample : L3734-02 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EROC-BF-1A

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-BF081920.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 12.298 | 1732 | 1736 | 1737 | rVV  | 435734  | 428807  | 24.60% | 2.151% |
| 73 | 12.316 | 1737 | 1739 | 1743 | rVB2 | 463098  | 385496  | 22.12% | 1.933% |
| 74 | 12.404 | 1751 | 1754 | 1755 | rBV  | 72689   | 59608   | 3.42%  | 0.299% |
| 75 | 12.421 | 1755 | 1757 | 1760 | rVB  | 326615  | 286746  | 16.45% | 1.438% |
| 76 | 12.651 | 1793 | 1796 | 1799 | rBV  | 292581  | 248777  | 14.27% | 1.248% |
| 77 | 12.680 | 1799 | 1801 | 1804 | rVB2 | 95671   | 81634   | 4.68%  | 0.409% |
| 78 | 12.798 | 1817 | 1821 | 1824 | rBV  | 1507856 | 1280599 | 73.47% | 6.422% |
| 79 | 13.033 | 1858 | 1861 | 1866 | rBV2 | 116445  | 134160  | 7.70%  | 0.673% |
| 80 | 13.280 | 1901 | 1903 | 1907 | rVB  | 235501  | 207410  | 11.90% | 1.040% |
| 81 | 13.374 | 1917 | 1919 | 1922 | rBV2 | 108965  | 95565   | 5.48%  | 0.479% |
| 82 | 13.704 | 1972 | 1975 | 1985 | rVB  | 235423  | 311745  | 17.89% | 1.563% |
| 83 | 13.851 | 1995 | 2000 | 2003 | rBV3 | 947704  | 1299640 | 74.56% | 6.518% |
| 84 | 15.274 | 2238 | 2242 | 2250 | rBV  | 724575  | 975421  | 55.96% | 4.892% |

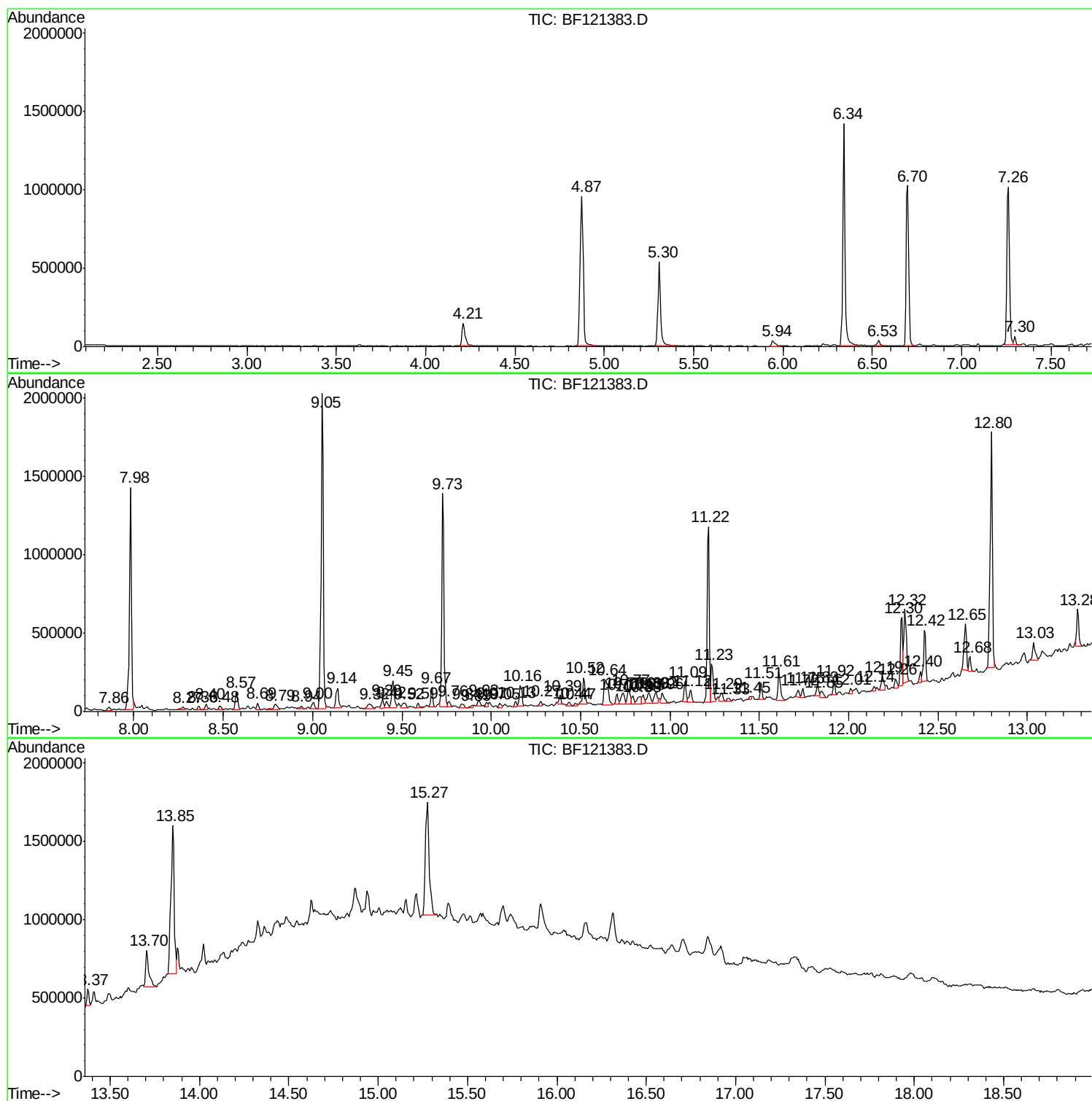
Sum of corrected areas: 19939479

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.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\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

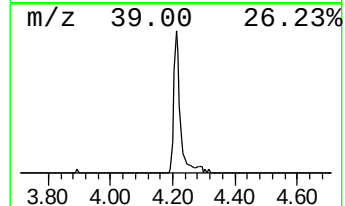
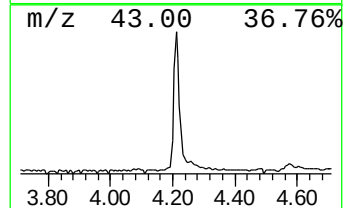
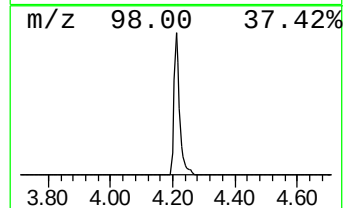
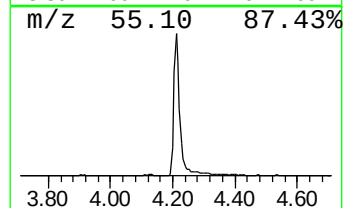
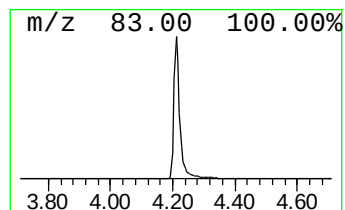
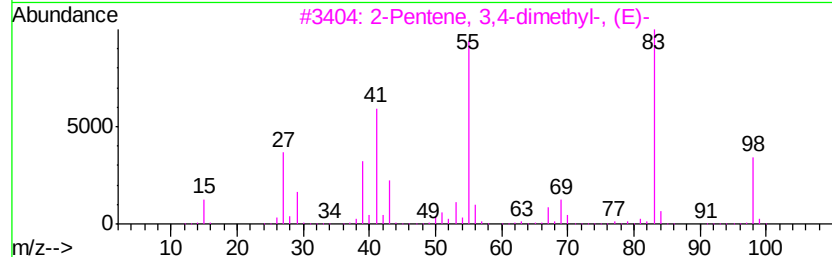
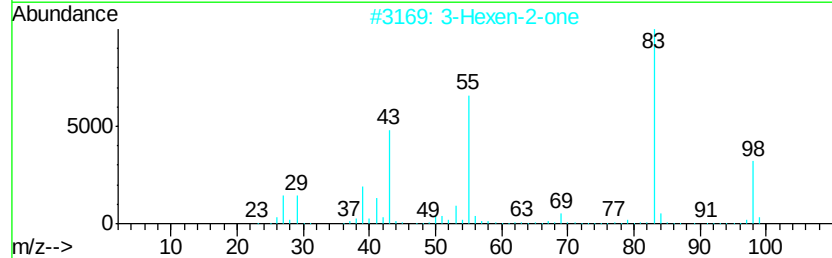
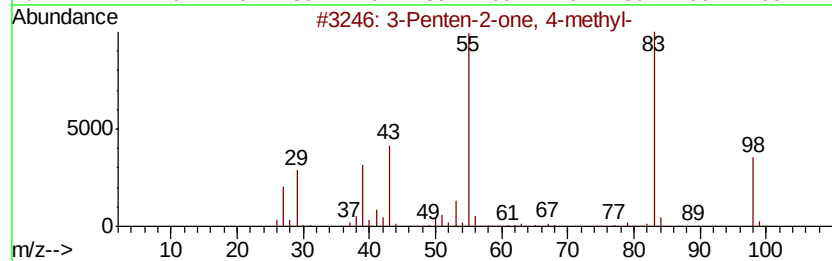
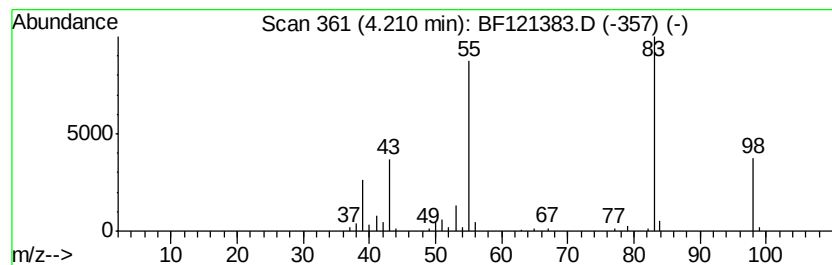
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.21 | 4.08 ng | 187822 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------------|----|---------|-------------|------|
| 1    | 5  | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 3    |    | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 90   |
| 4    |    | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 86   |
| 5    |    | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

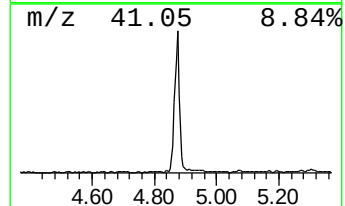
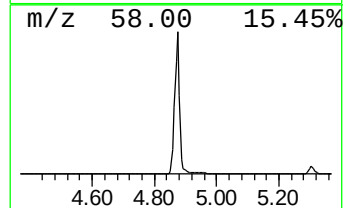
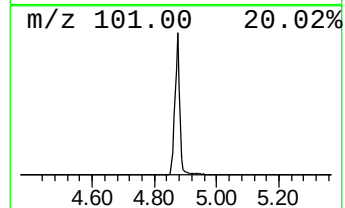
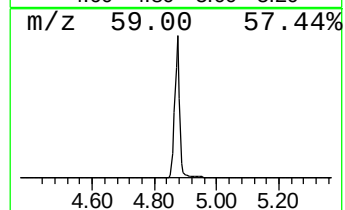
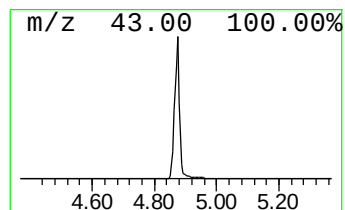
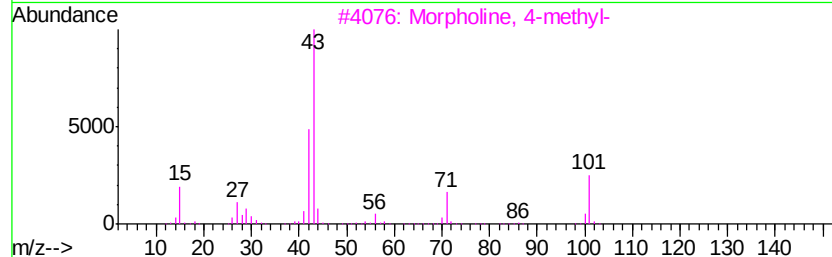
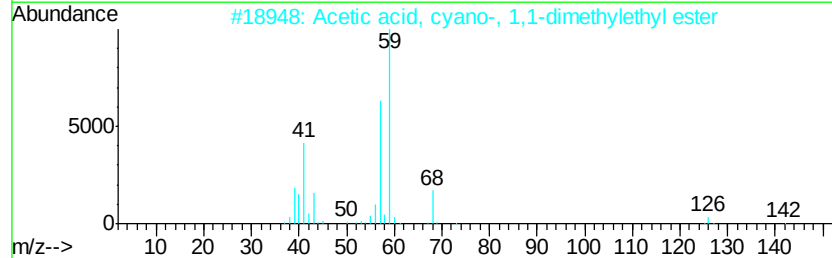
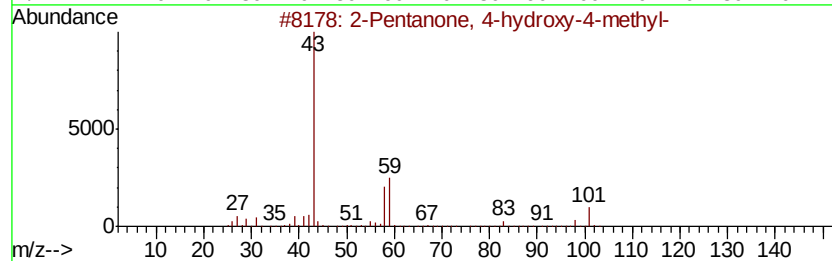
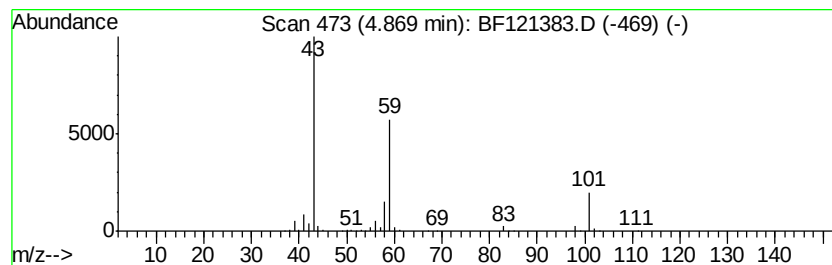
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.87 | 23.58 ng | 1085470 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

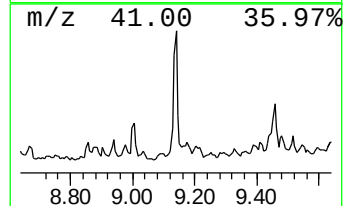
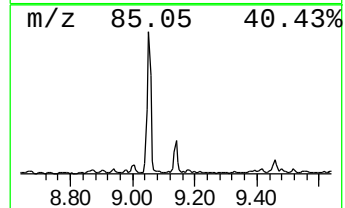
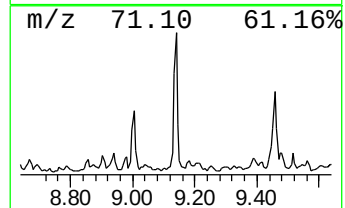
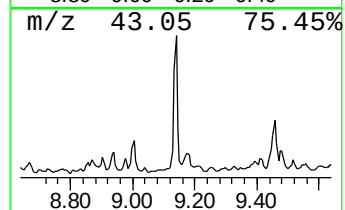
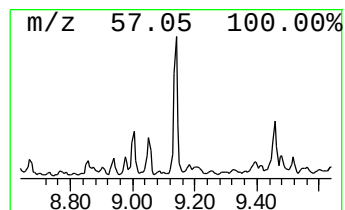
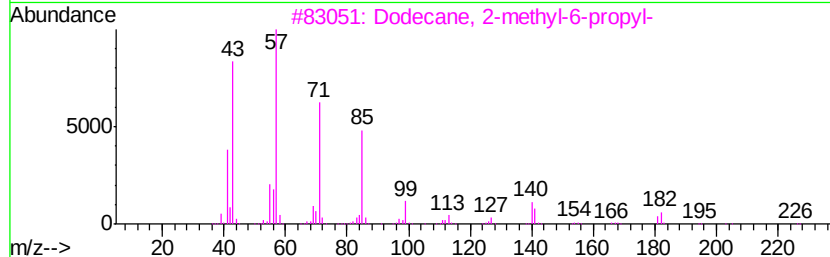
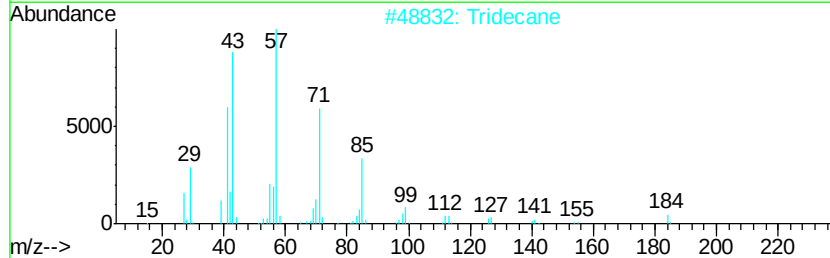
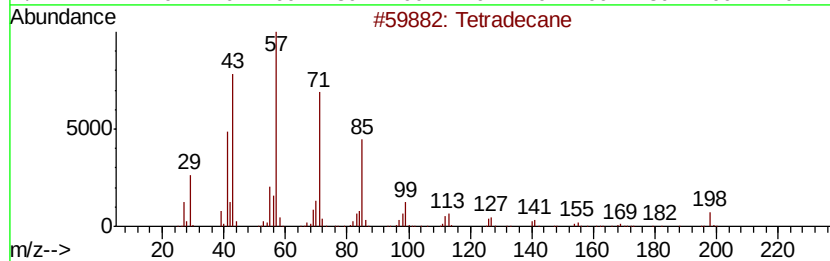
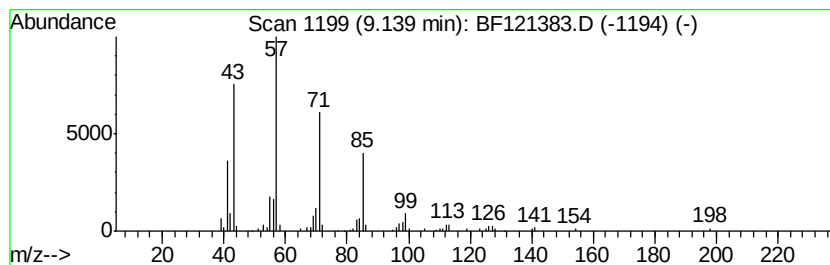
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Tetradecane Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.14 | 2.09 ng | 126633 | Acenaphthene-d10 | 9.73 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------------|-----|---------|-------------|------|
| 1       |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 97   |
| 2       |   | Tridecane                    | 184 | C13H28  | 000629-50-5 | 86   |
| 3       |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 86   |
| 4       |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 72   |
| 5       |   | Dodecane                     | 170 | C12H26  | 000112-40-3 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

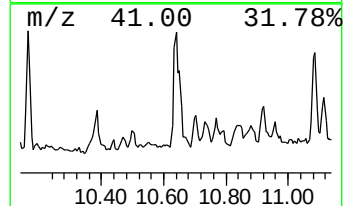
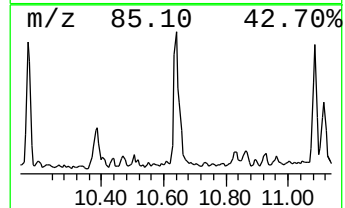
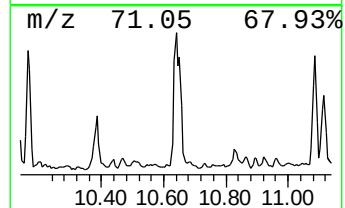
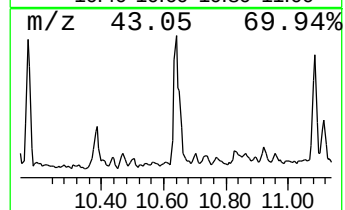
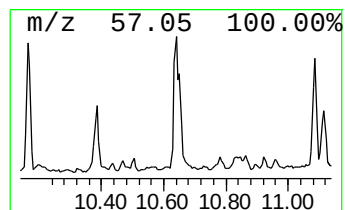
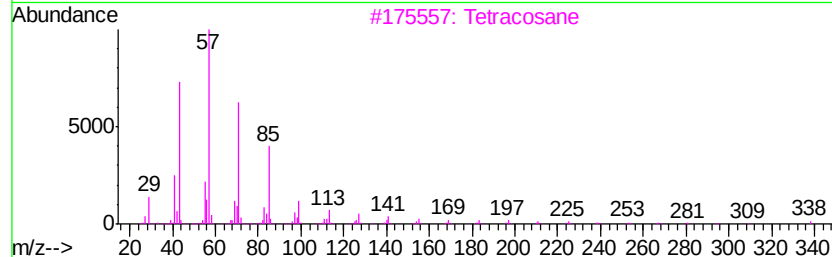
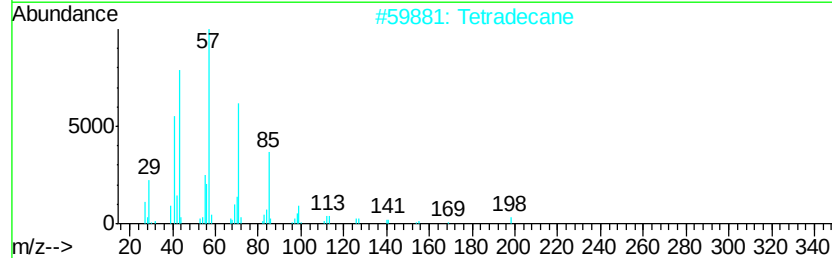
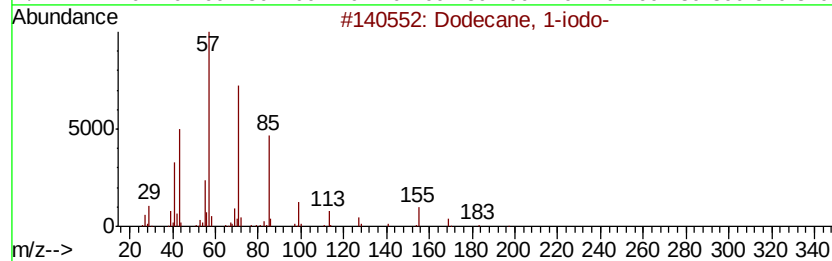
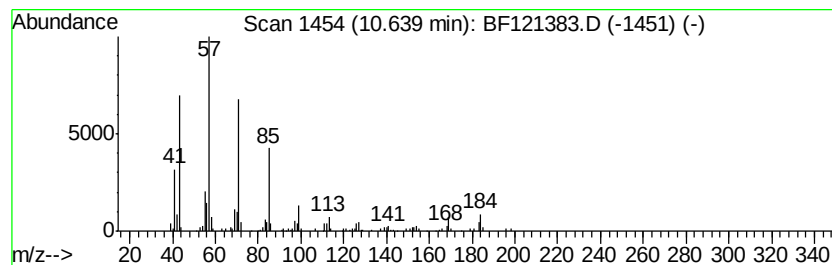
Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Dodecane, 1-iodo- Concentration Rank 5

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 10.64     | 4.60 ng               | 242444 | Phenanthrene-d10 | 11.22       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Dodecane, 1-iodo-     | 296    | C12H25I          | 004292-19-7 | 83   |
| 2         | Tetradecane           | 198    | C14H30           | 000629-59-4 | 83   |
| 3         | Tetracosane           | 338    | C24H50           | 000646-31-1 | 83   |
| 4         | Decane, 3,8-dimethyl- | 170    | C12H26           | 017312-55-9 | 83   |
| 5         | Heneicosane           | 296    | C21H44           | 000629-94-7 | 83   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

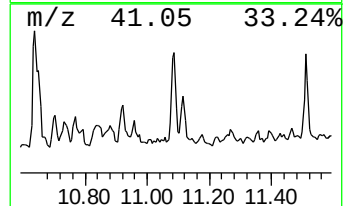
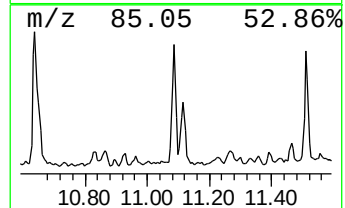
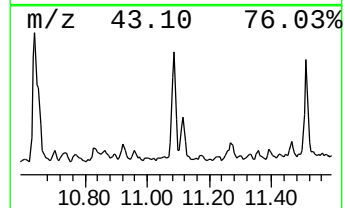
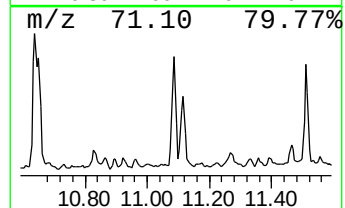
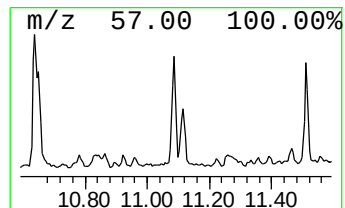
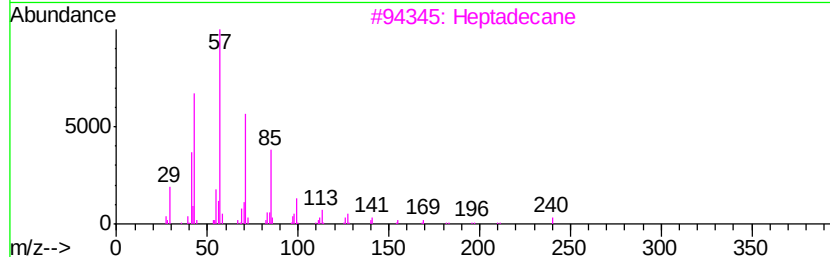
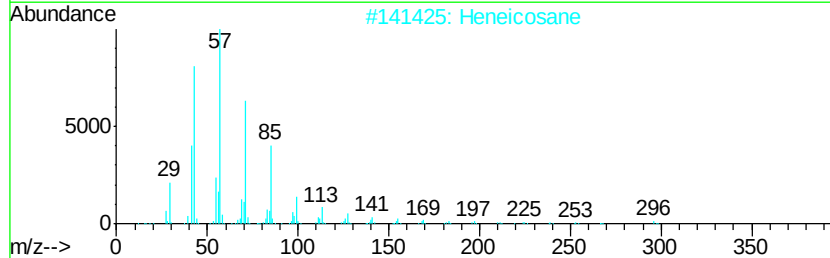
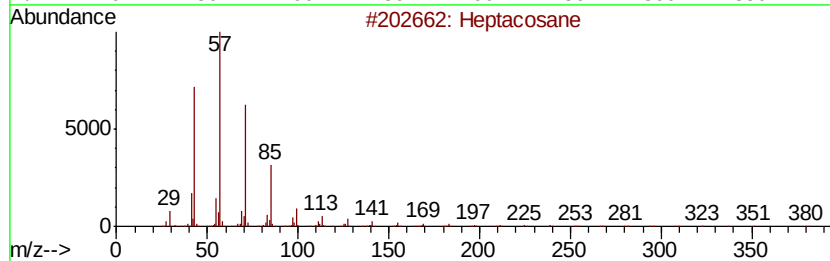
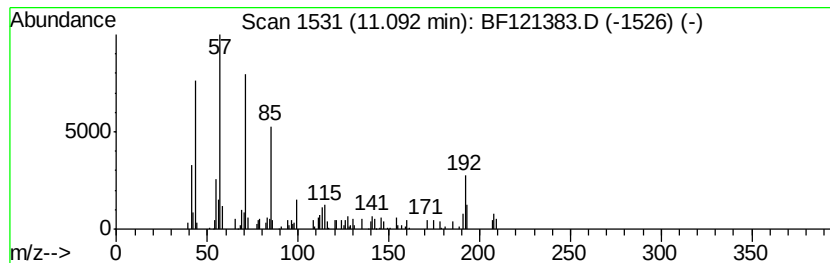
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptacosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.09 | 2.27 ng | 119602 | Phenanthrene-d10 | 11.22 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|-------------------|--------------|-----|----------|-------------|------|
| 1       | Heptacosane       |              | 380 | C27H56   | 000593-49-7 | 83   |
| 2       | Heneicosane       |              | 296 | C21H44   | 000629-94-7 | 83   |
| 3       | Heptadecane       |              | 240 | C17H36   | 000629-78-7 | 83   |
| 4       | Dodecane, 1-iodo- |              | 296 | C12H25I  | 004292-19-7 | 80   |
| 5       | 2-Bromo dodecane  |              | 248 | C12H25Br | 013187-99-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

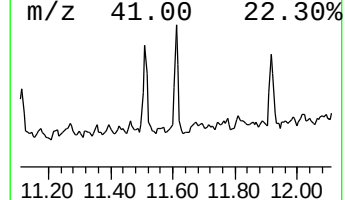
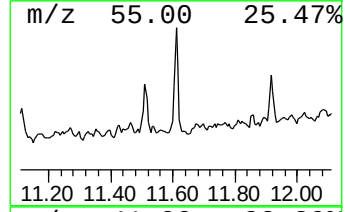
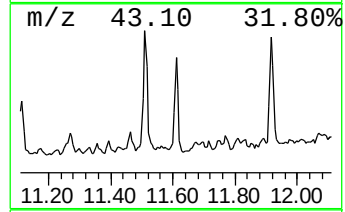
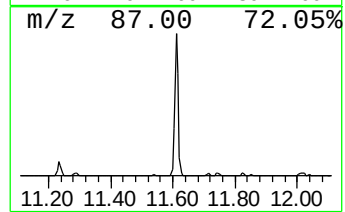
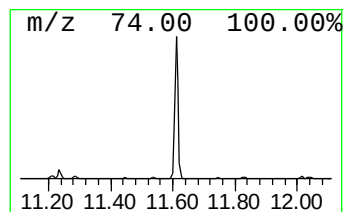
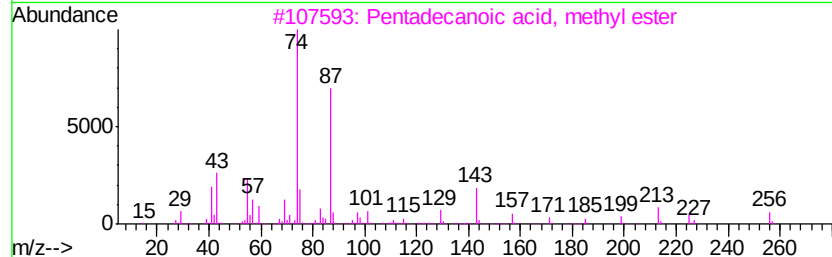
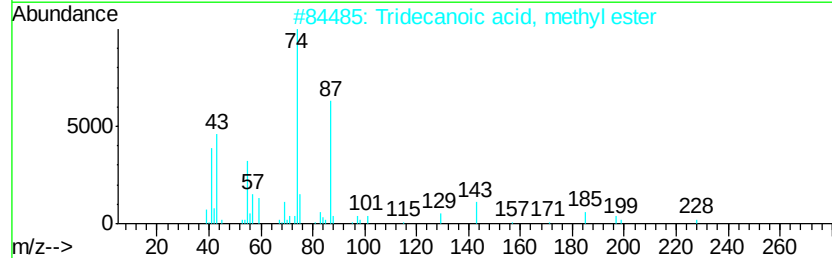
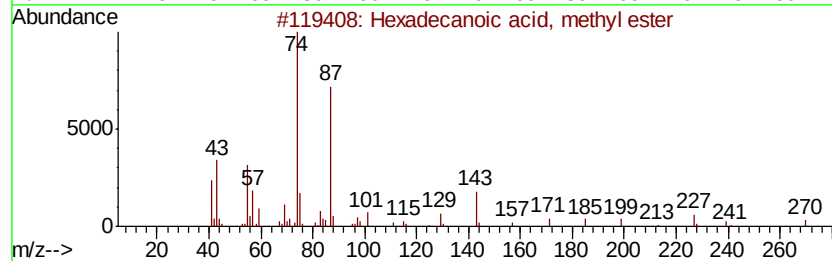
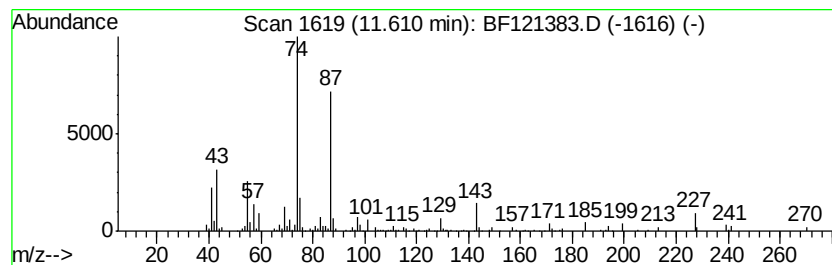
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.61 | 3.11 ng | 163831 | Phenanthrene-d10 | 11.22 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |      | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 90   |
| 3    |      | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |
| 4    |      | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 81   |
| 5    |      | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

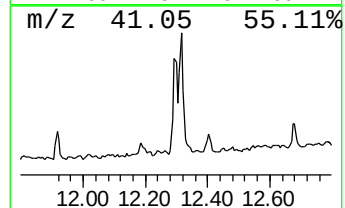
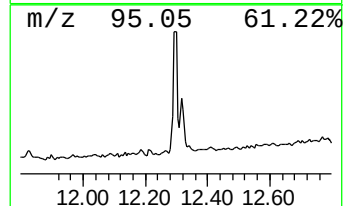
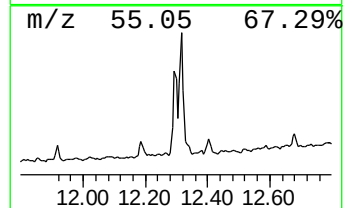
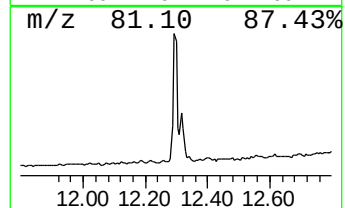
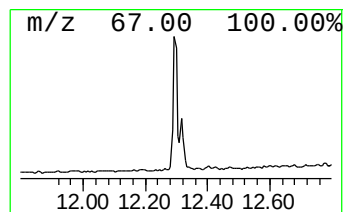
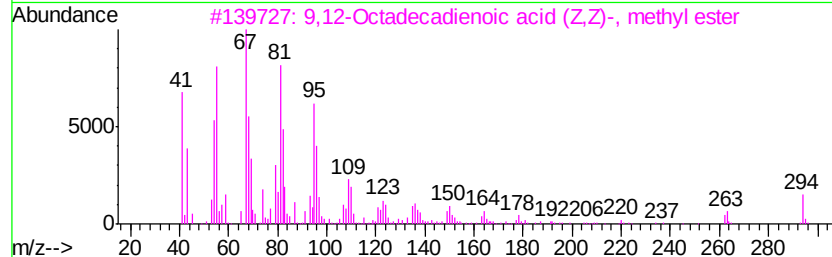
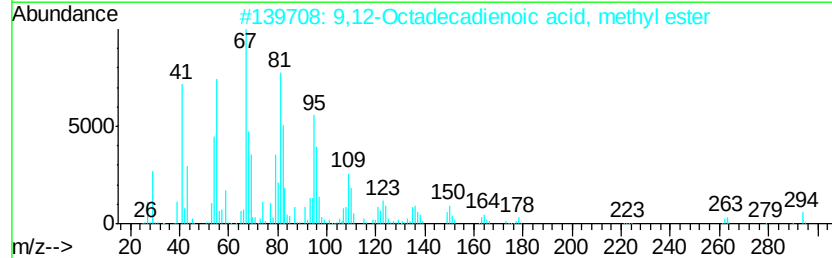
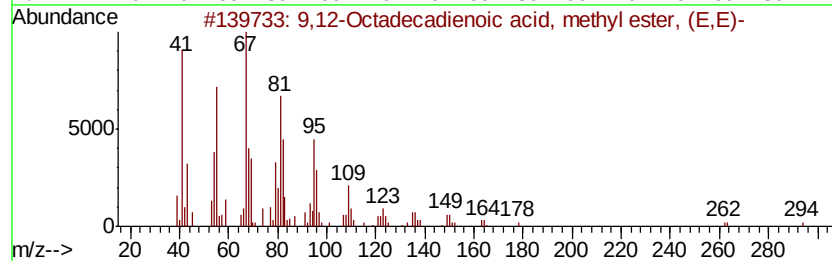
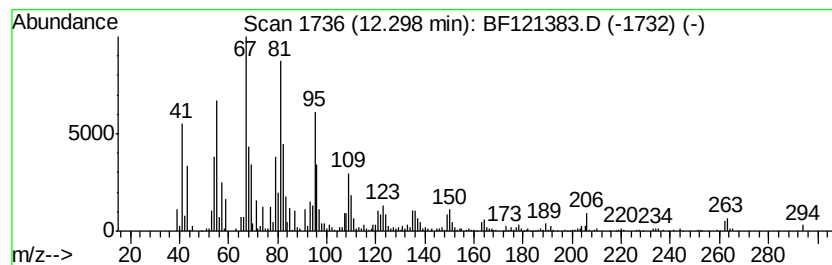
Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.30     | 8.14 ng                             | 428807 | Phenanthrene-d10 | 11.22       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 9,12-Octadecadienoic acid, methy... | 294    | C19H34O2         | 002566-97-4 | 99   |
| 2         | 9,12-Octadecadienoic acid, methy... | 294    | C19H34O2         | 002462-85-3 | 99   |
| 3         | 9,12-Octadecadienoic acid (Z,Z)-... | 294    | C19H34O2         | 000112-63-0 | 99   |
| 4         | 11,14-Octadecadienoic acid, meth... | 294    | C19H34O2         | 056554-61-1 | 95   |
| 5         | 9,12-Octadecadienoic acid (Z,Z)-    | 280    | C18H32O2         | 000060-33-3 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

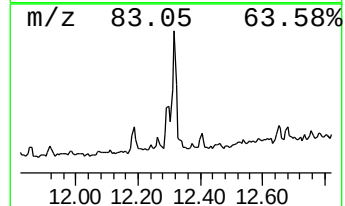
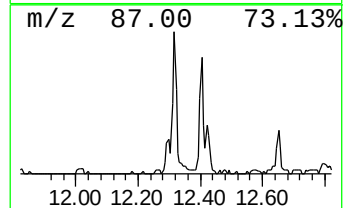
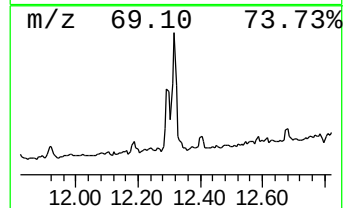
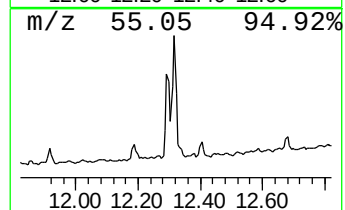
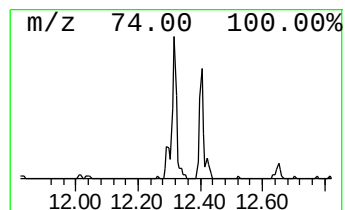
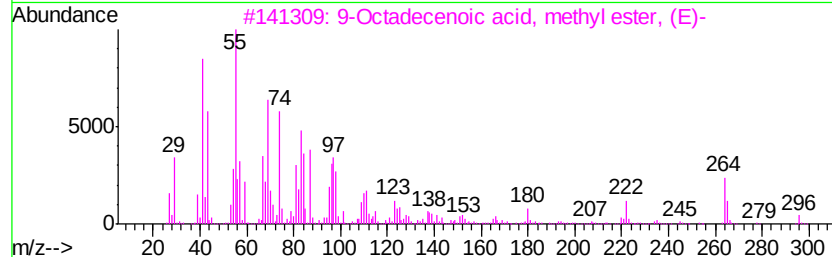
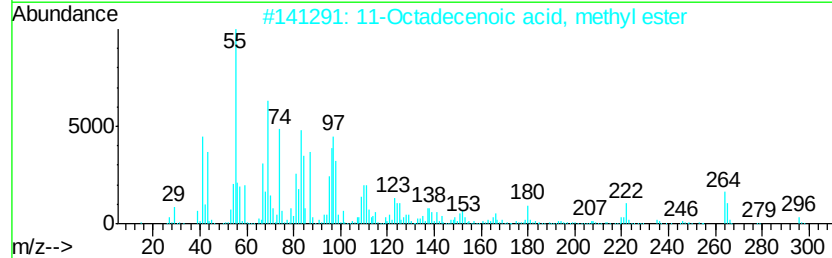
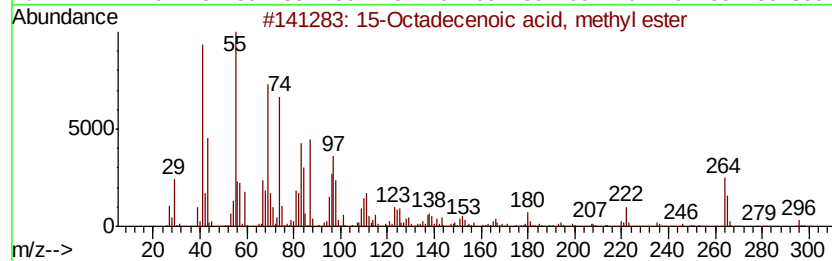
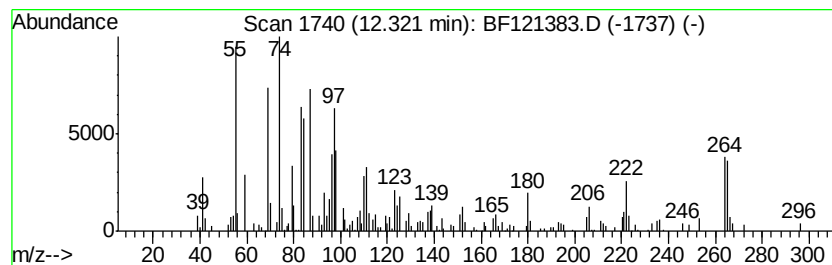
Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 15-Octadecenoic acid, methyl ester Concentration Rank 3

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------------|--------|------------------|-------------|------|
| 12.32     | 7.31 ng                              | 385496 | Phenanthrene-d10 | 11.22       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#        | Qual |
| 1         | 15-Octadecenoic acid, methyl ester   | 296    | C19H36O2         | 004764-72-1 | 97   |
| 2         | 11-Octadecenoic acid, methyl ester   | 296    | C19H36O2         | 052380-33-3 | 94   |
| 3         | 9-Octadecenoic acid, methyl ester... | 296    | C19H36O2         | 001937-62-8 | 91   |
| 4         | 6-Octadecenoic acid, methyl ester    | 296    | C19H36O2         | 052355-31-4 | 91   |
| 5         | 11-Octadecenoic acid, methyl est...  | 296    | C19H36O2         | 001937-63-9 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

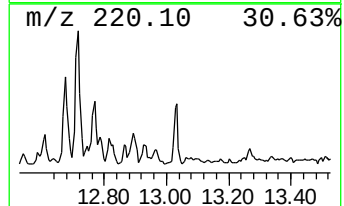
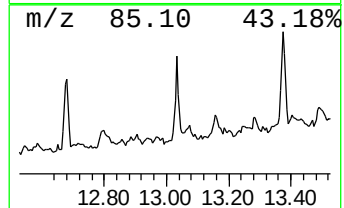
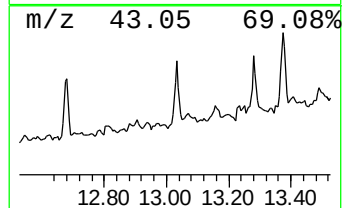
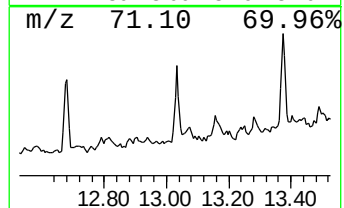
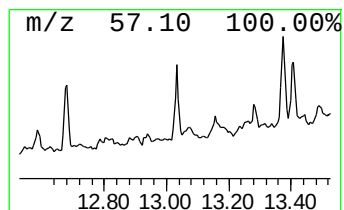
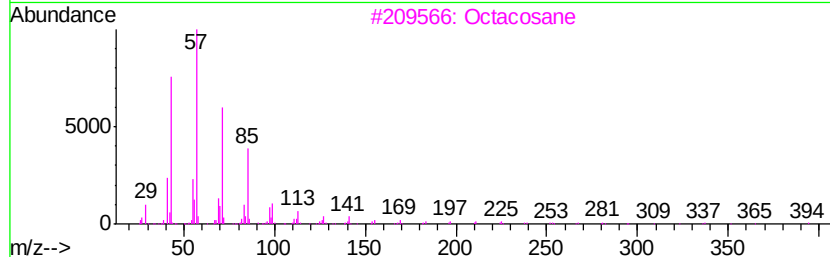
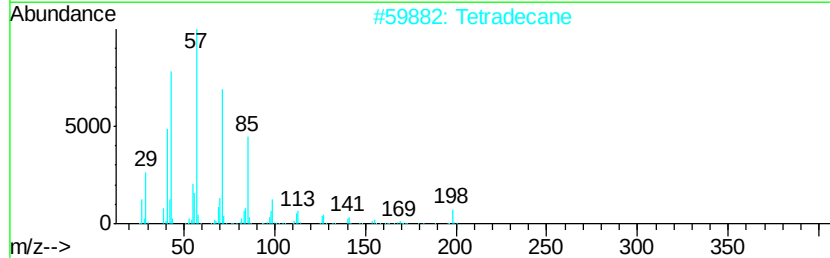
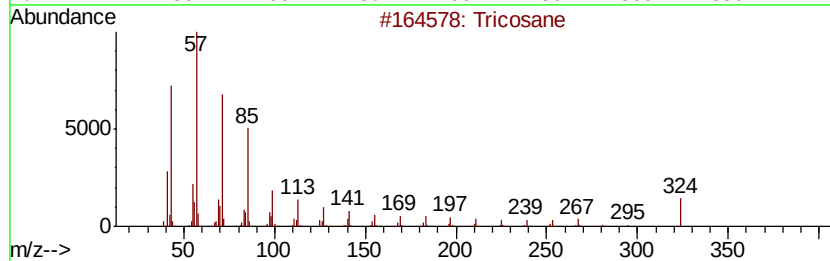
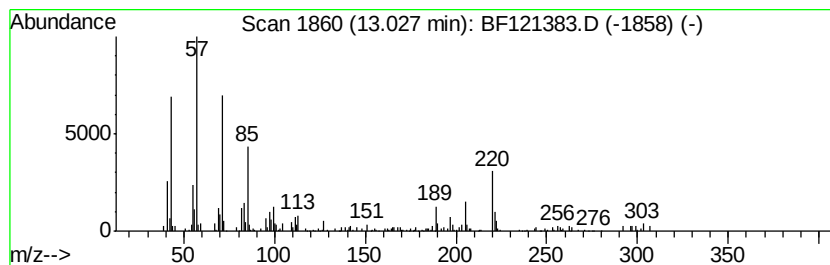
Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Tricosane Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.03     | 2.06 ng                             | 134160 | Chrysene-d12     | 13.85        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Tricosane                           | 324    | C23H48           | 000638-67-5  | 74   |
| 2         | Tetradecane                         | 198    | C14H30           | 000629-59-4  | 68   |
| 3         | Octacosane                          | 394    | C28H58           | 000630-02-4  | 64   |
| 4         | Sulfurous acid, 2-ethylhexyl iso... | 278    | C14H30O3S        | 1000309-19-0 | 58   |
| 5         | Tridecane, 3-ethyl-                 | 212    | C15H32           | 013286-73-2  | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

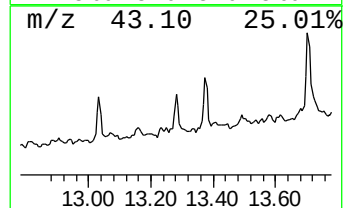
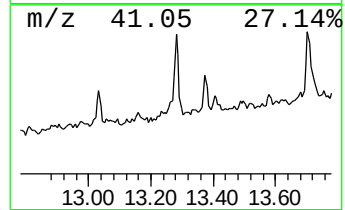
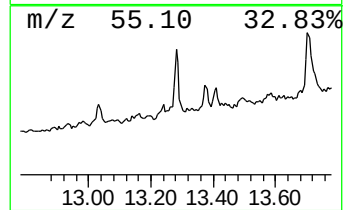
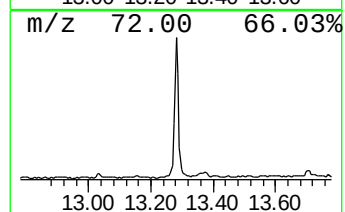
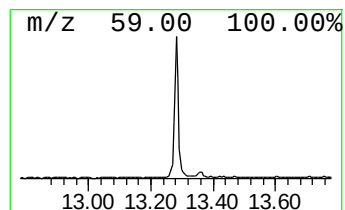
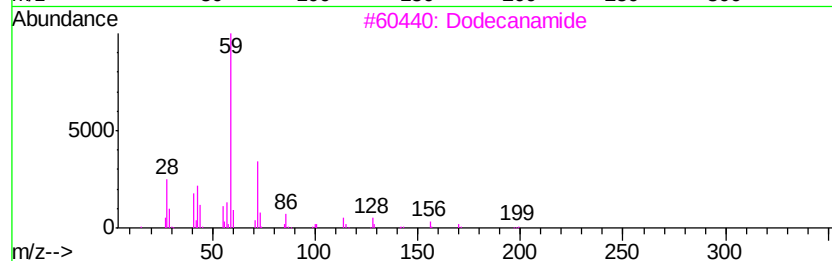
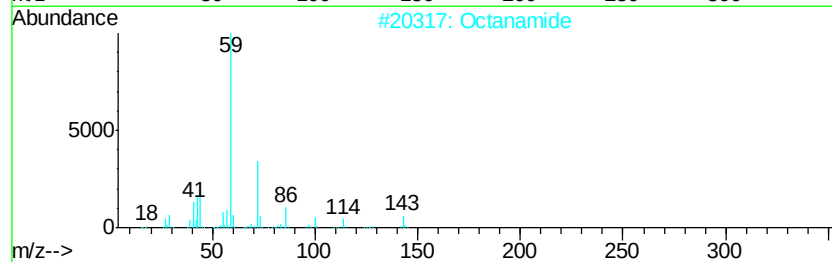
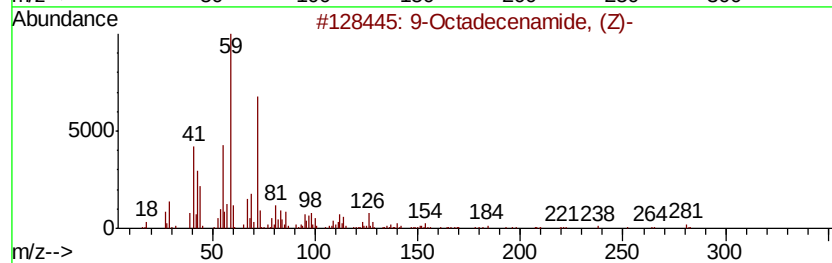
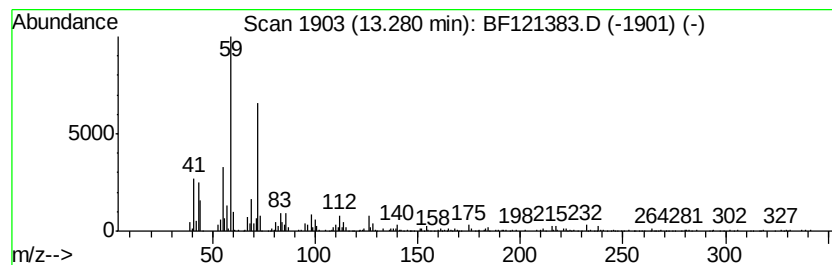
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 9-Octadecenamide, (Z)- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.28 | 3.19 ng | 207410 | Chrysene-d12     | 13.85 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 93   |
| 2    |    | Octanamide             | 143 | C8H17NO  | 000629-01-6 | 64   |
| 3    |    | Dodecanamide           | 199 | C12H25NO | 001120-16-7 | 64   |
| 4    |    | Pentanamide, 4-methyl- | 115 | C6H13NO  | 001119-29-5 | 53   |
| 5    |    | Butanamide, 3-methyl-  | 101 | C5H11NO  | 000541-46-8 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

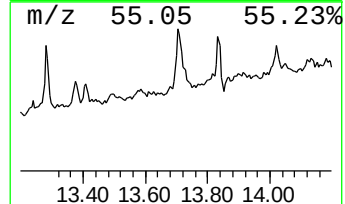
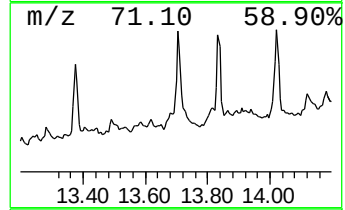
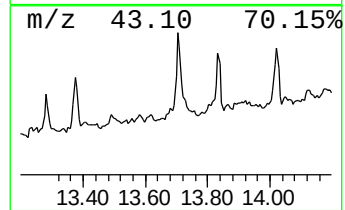
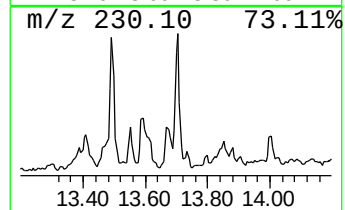
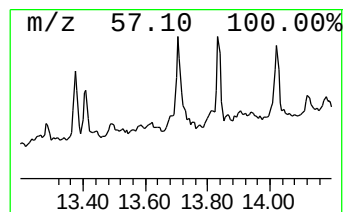
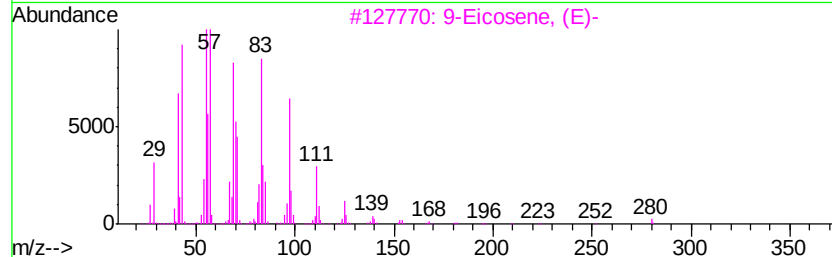
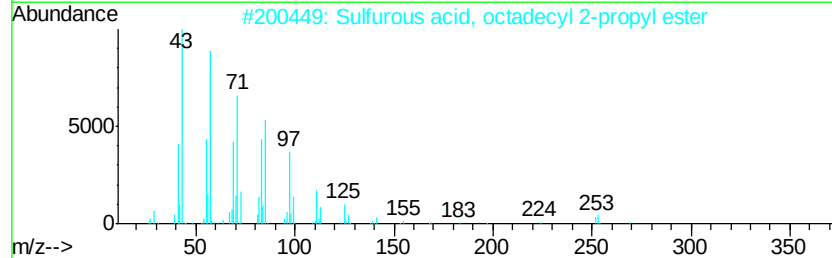
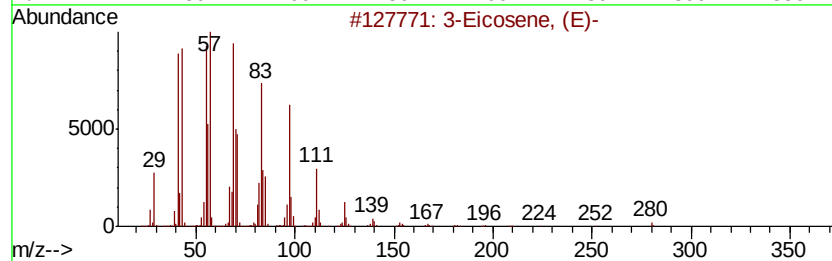
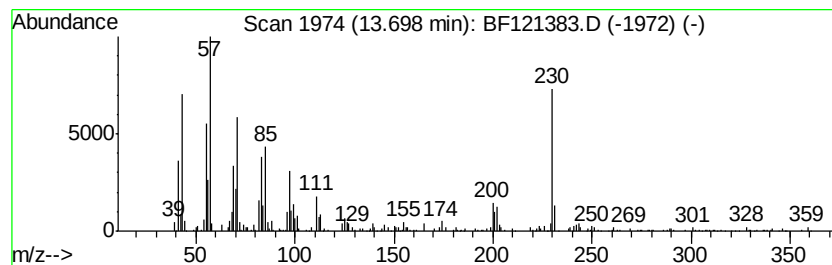
Instrument :  
BNA\_F  
ClientSampled :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 3-Eicosene, (E)- Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 13.70   | 4.80 ng | 311745                              | Chrysene-d12     | 13.85           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | 3-Eicosene, (E)-                    | 280 C20H40       | 074685-33-9 93  |
| 2       |         | Sulfurous acid, octadecyl 2-prop... | 376 C21H44O3S    | 1000309-12-7 76 |
| 3       |         | 9-Eicosene, (E)-                    | 280 C20H40       | 074685-29-3 72  |
| 4       |         | Cetene                              | 224 C16H32       | 000629-73-2 70  |
| 5       |         | Nonadecane, 1-chloro-               | 302 C19H39Cl     | 062016-76-6 70  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082120\  
Data File : BF121383.D  
Acq On : 21 Aug 2020 23:23  
Operator : JU/CG  
Sample : L3734-02 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-BF-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 3-Penten-2-one, 4... | 4.21  | 4.1 ng  |       | 187822   | 1                     | 6.70  | 920849  | 20.0 |
| 2-Pentanone, 4-hy... | 4.87  | 23.6 ng |       | 1085470  | 1                     | 6.70  | 920849  | 20.0 |
| Tetradecane          | 9.14  | 2.1 ng  |       | 126633   | 3                     | 9.73  | 1212210 | 20.0 |
| Dodecane, 1-iodo-    | 10.64 | 4.6 ng  |       | 242444   | 4                     | 11.22 | 1054110 | 20.0 |
| Heptacosane          | 11.09 | 2.3 ng  |       | 119602   | 4                     | 11.22 | 1054110 | 20.0 |
| Hexadecanoic acid... | 11.61 | 3.1 ng  |       | 163831   | 4                     | 11.22 | 1054110 | 20.0 |
| 9,12-Octadecadien... | 12.30 | 8.1 ng  |       | 428807   | 4                     | 11.22 | 1054110 | 20.0 |
| 15-Octadecenoic a... | 12.32 | 7.3 ng  |       | 385496   | 4                     | 11.22 | 1054110 | 20.0 |
| Tricosane            | 13.03 | 2.1 ng  |       | 134160   | 5                     | 13.85 | 1299640 | 20.0 |
| 9-Octadecenamide,... | 13.28 | 3.2 ng  |       | 207410   | 5                     | 13.85 | 1299640 | 20.0 |
| 3-Eicosene, (E)-     | 13.70 | 4.8 ng  |       | 311745   | 5                     | 13.85 | 1299640 | 20.0 |