

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
 Data File : BP026132.D  
 Acq On : 13 Nov 2025 17:41  
 Operator : RC/JU  
 Sample : Q3618-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EME-TOP-SOIL

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\_P\Methods\8270E-BP102925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026132.D\data.ms

| 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         | 3.931       | 164           | 169         | 176          | rVB      | 74880          | 107008        | 1.02%           | 0.123%        |
| 2         | 4.837       | 318           | 323         | 330          | rVB2     | 88192          | 124004        | 1.18%           | 0.142%        |
| 3         | 5.296       | 393           | 401         | 412          | rBV      | 4036757        | 5912170       | 56.30%          | 6.775%        |
| 4         | 6.849       | 657           | 665         | 681          | rBV      | 3586573        | 6015592       | 57.28%          | 6.893%        |
| 5         | 7.672       | 797           | 805         | 814          | rBV      | 1205267        | 1854569       | 17.66%          | 2.125%        |
| 6         | 7.813       | 823           | 829         | 836          | rBV      | 209521         | 322091        | 3.07%           | 0.369%        |
| 7         | 7.902       | 836           | 844         | 850          | rBV      | 94039          | 150745        | 1.44%           | 0.173%        |
| 8         | 8.808       | 990           | 998         | 1006         | rBV      | 2234309        | 3835132       | 36.52%          | 4.395%        |
| 9         | 10.443      | 1267          | 1276        | 1283         | rBV      | 1553594        | 2586933       | 24.63%          | 2.964%        |
| 10        | 11.490      | 1443          | 1454        | 1465         | rBV2     | 50135          | 125880        | 1.20%           | 0.144%        |
| 11        | 12.919      | 1690          | 1697        | 1709         | rVB      | 4895588        | 7948357       | 75.68%          | 9.108%        |
| 12        | 13.148      | 1731          | 1736        | 1742         | rBV      | 135119         | 202382        | 1.93%           | 0.232%        |
| 13        | 13.819      | 1843          | 1850        | 1853         | rBV      | 68832          | 111300        | 1.06%           | 0.128%        |
| 14        | 14.307      | 1926          | 1933        | 1943         | rBV      | 2294511        | 3434595       | 32.70%          | 3.936%        |
| 15        | 15.701      | 2164          | 2170        | 2178         | rVB      | 894680         | 1288816       | 12.27%          | 1.477%        |
| 16        | 15.831      | 2185          | 2192        | 2202         | rBV      | 3692423        | 6637481       | 63.20%          | 7.606%        |
| 17        | 16.284      | 2265          | 2269        | 2274         | rVB      | 128966         | 170874        | 1.63%           | 0.196%        |
| 18        | 17.125      | 2406          | 2412        | 2417         | rVV      | 2712430        | 3995968       | 38.05%          | 4.579%        |
| 19        | 17.172      | 2417          | 2420        | 2424         | rVV      | 316610         | 410552        | 3.91%           | 0.470%        |
| 20        | 17.213      | 2424          | 2427        | 2431         | rVV4     | 74295          | 128231        | 1.22%           | 0.147%        |
| 21        | 17.260      | 2431          | 2435        | 2441         | rVB      | 135277         | 191223        | 1.82%           | 0.219%        |
| 22        | 17.542      | 2479          | 2483        | 2490         | rBV4     | 107740         | 201756        | 1.92%           | 0.231%        |
| 23        | 17.960      | 2549          | 2554        | 2560         | rBV      | 123538         | 222718        | 2.12%           | 0.255%        |
| 24        | 18.013      | 2560          | 2563        | 2570         | rVV2     | 69465          | 149471        | 1.42%           | 0.171%        |
| 25        | 18.089      | 2570          | 2576        | 2595         | rVV2     | 1376015        | 2379882       | 22.66%          | 2.727%        |
| 26        | 18.395      | 2624          | 2628        | 2638         | rBV7     | 80795          | 181663        | 1.73%           | 0.208%        |
| 27        | 18.542      | 2649          | 2653        | 2658         | rBV3     | 106745         | 170745        | 1.63%           | 0.196%        |
| 28        | 18.589      | 2658          | 2661        | 2667         | rVB      | 105689         | 165180        | 1.57%           | 0.189%        |
| 29        | 18.825      | 2697          | 2701        | 2706         | rVB      | 135682         | 181434        | 1.73%           | 0.208%        |
| 30        | 18.942      | 2717          | 2721        | 2729         | rBV4     | 79905          | 246833        | 2.35%           | 0.283%        |
| 31        | 19.266      | 2771          | 2776        | 2780         | rBV      | 793024         | 1144812       | 10.90%          | 1.312%        |
| 32        | 19.342      | 2785          | 2789        | 2797         | rVB      | 349137         | 502355        | 4.78%           | 0.576%        |
| 33        | 19.425      | 2799          | 2803        | 2808         | rBV      | 436752         | 618706        | 5.89%           | 0.709%        |
| 34        | 19.613      | 2831          | 2835        | 2838         | rBV      | 1248283        | 1762015       | 16.78%          | 2.019%        |
| 35        | 19.866      | 2872          | 2878        | 2889         | rVB      | 7771296        | 10502094      | 100.00%         | 12.035%       |
| 36        | 20.230      | 2937          | 2940        | 2944         | rBV      | 347164         | 387584        | 3.69%           | 0.444%        |

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 Sample : Q3618-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EME-TOP-SOIL

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\_P\Methods\8270E-BP102925.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 20.560 | 2993 | 2996 | 3000 | rBV3 | 140700  | 183520  | 1.75%  | 0.210% |
| 38 | 20.760 | 3026 | 3030 | 3034 | rVB  | 492910  | 608787  | 5.80%  | 0.698% |
| 39 | 21.236 | 3104 | 3111 | 3114 | rBV2 | 326920  | 683575  | 6.51%  | 0.783% |
| 40 | 21.277 | 3114 | 3118 | 3130 | rVB4 | 1110068 | 2292650 | 21.83% | 2.627% |
| 41 | 21.577 | 3162 | 3169 | 3175 | rBV  | 2635597 | 4799831 | 45.70% | 5.500% |
| 42 | 21.877 | 3216 | 3220 | 3223 | rBV  | 487276  | 630513  | 6.00%  | 0.723% |
| 43 | 22.524 | 3324 | 3330 | 3342 | rVB2 | 1060983 | 2116396 | 20.15% | 2.425% |
| 44 | 23.260 | 3451 | 3455 | 3463 | rVB  | 494382  | 895734  | 8.53%  | 1.026% |
| 45 | 23.460 | 3484 | 3489 | 3499 | rVB  | 393575  | 849242  | 8.09%  | 0.973% |
| 46 | 24.130 | 3596 | 3603 | 3615 | rVB  | 951051  | 2567495 | 24.45% | 2.942% |
| 47 | 24.907 | 3726 | 3735 | 3744 | rVB  | 1750246 | 4734905 | 45.09% | 5.426% |
| 48 | 26.824 | 4054 | 4061 | 4062 | rBV  | 1109965 | 1891344 | 18.01% | 2.167% |
| 49 | 29.354 | 4485 | 4491 | 4492 | rBV  | 360970  | 639869  | 6.09%  | 0.733% |

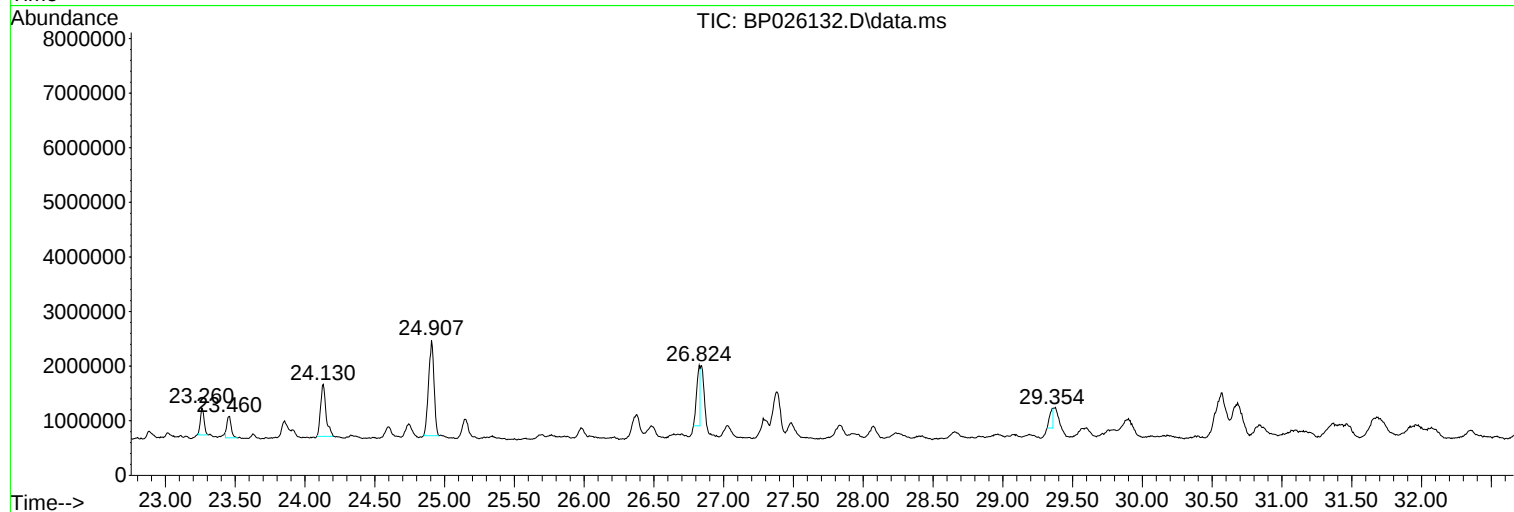
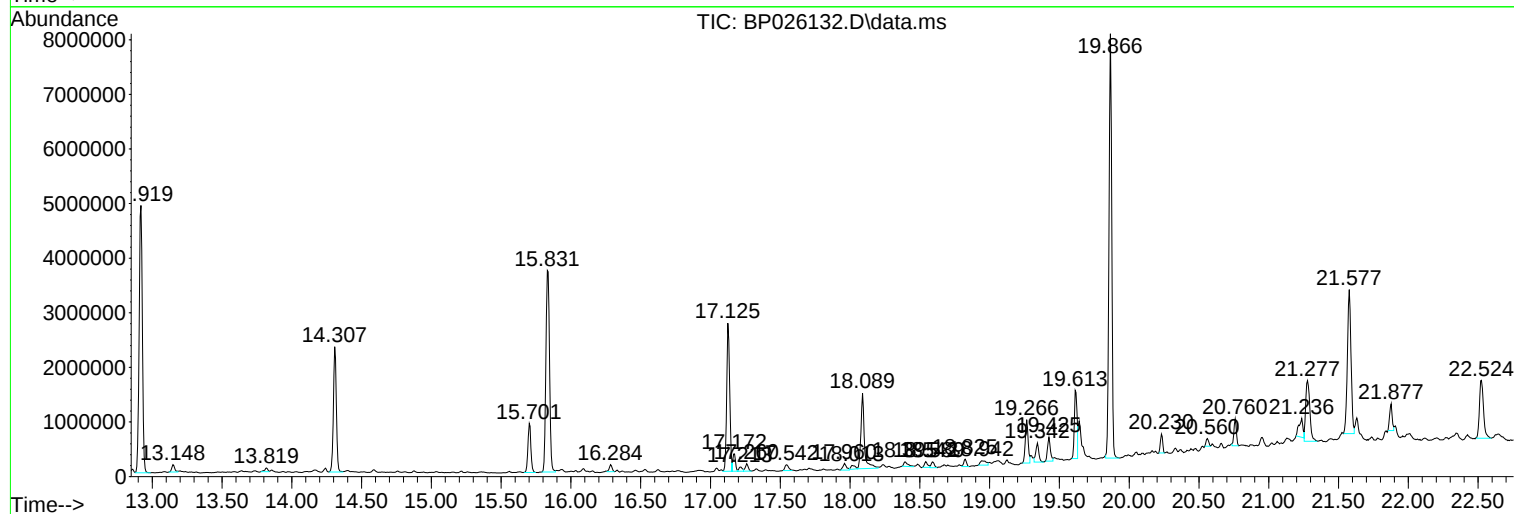
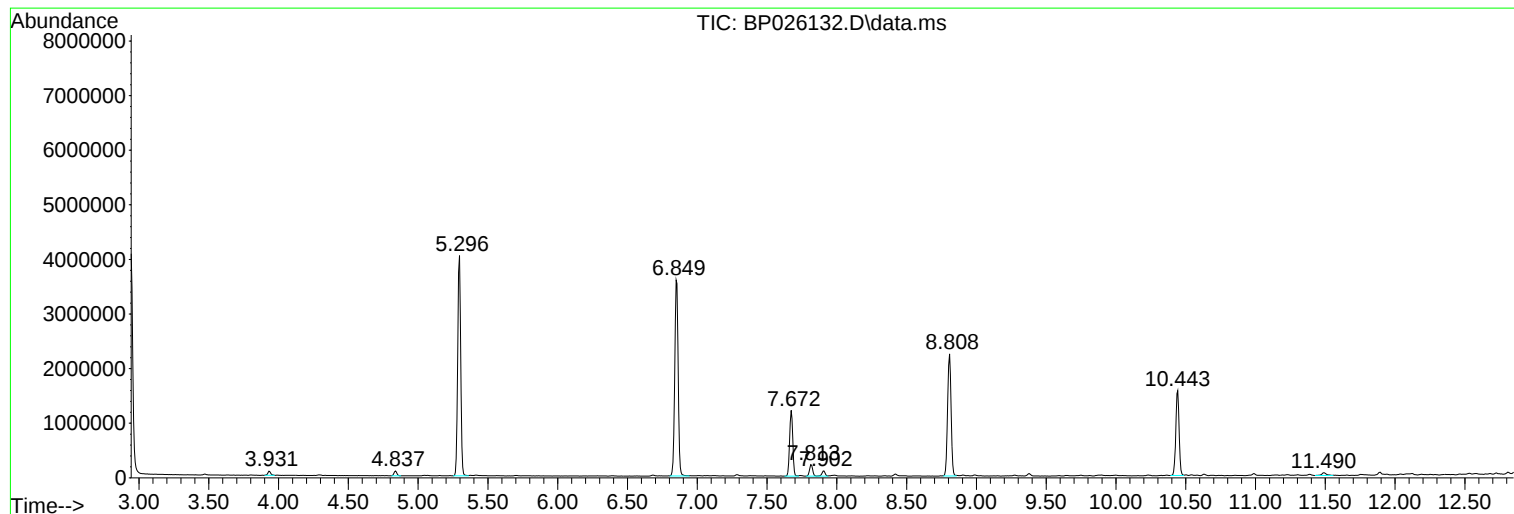
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
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Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.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\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

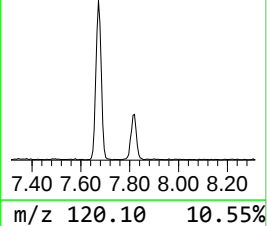
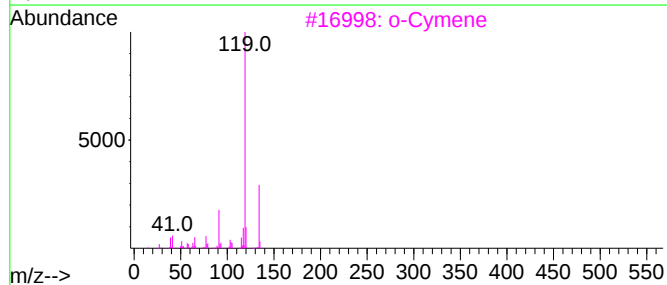
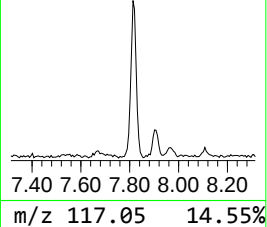
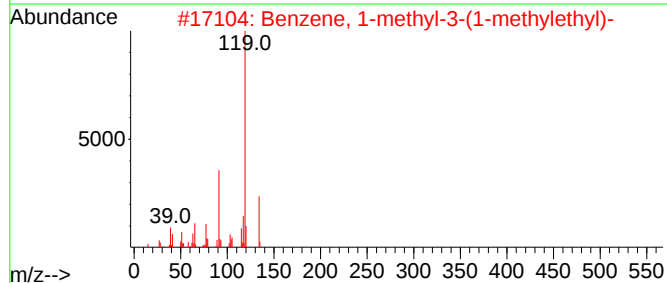
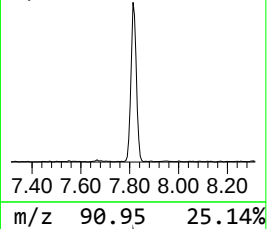
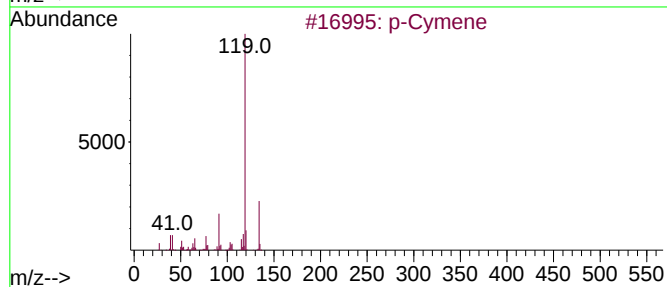
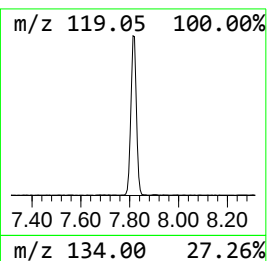
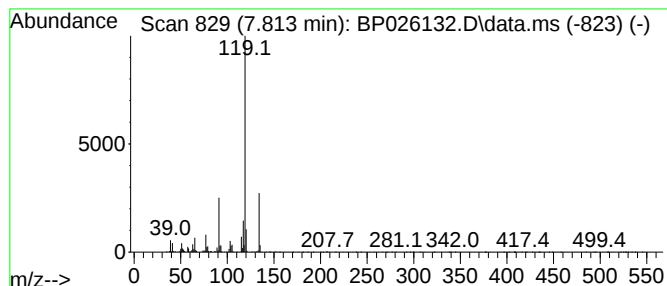
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 p-Cymene Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 7.813 | 3.47 ng | 322091 | 1,4-Dichlorobenzene-d4 | 7.672 |

| Hit# | of | 5 | Tentative ID                             | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                                 | 134 | C10H14  | 000099-87-6 | 97   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)-     | 134 | C10H14  | 000535-77-3 | 95   |
| 3    |    |   | o-Cymene                                 | 134 | C10H14  | 000527-84-4 | 94   |
| 4    |    |   | 1,3,5-Cycloheptatriene, 3,7,7-trimethyl- | 134 | C10H14  | 003479-89-8 | 94   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl-           | 134 | C10H14  | 000934-80-5 | 91   |



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Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

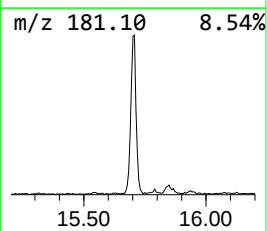
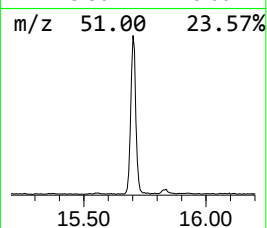
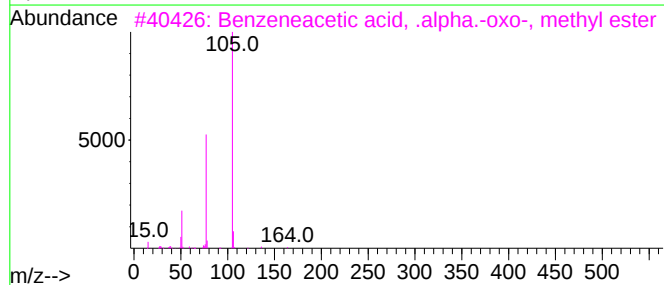
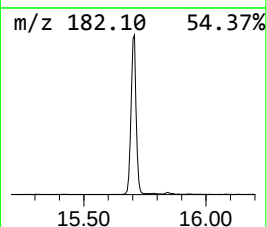
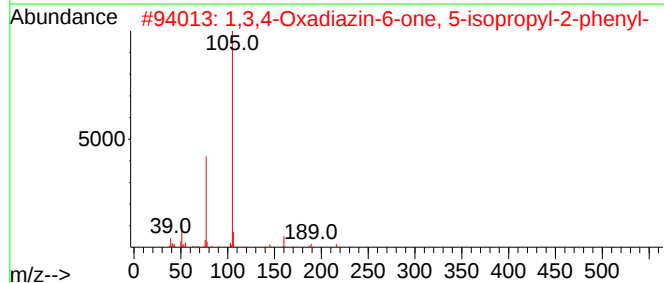
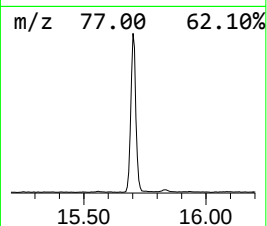
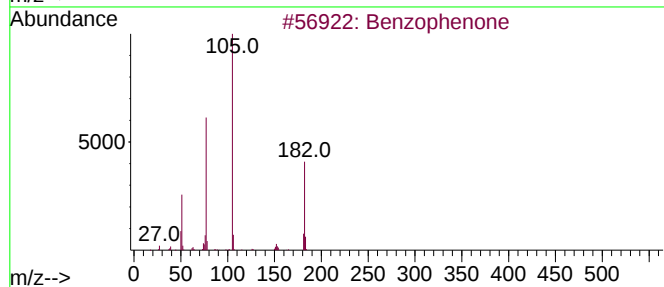
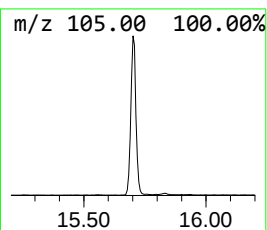
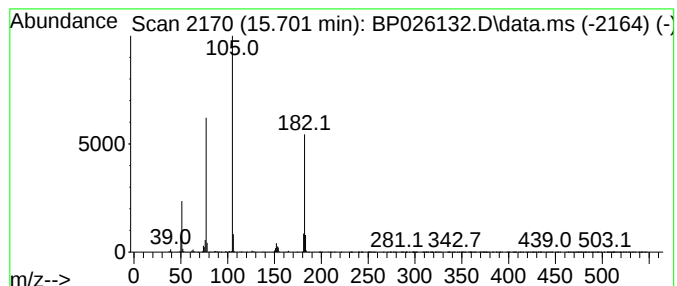
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 6

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 15.701 | 7.50 ng | 1288820 | Acenaphthene-d10 | 14.307 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 97   |
| 2    |    |   | 1,3,4-Oxadiazin-6-one, 5-isoprop... | 216 | C12H12N2O2 | 173973-78-9  | 49   |
| 3    |    |   | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3     | 015206-55-0  | 47   |
| 4    |    |   | Phenacyl thiocyanate                | 177 | C9H7NOS    | 005399-30-4  | 47   |
| 5    |    |   | N-Methylbenzamide, N-heptafluoro... | 331 | C12H8F7NO2 | 1000446-97-2 | 47   |



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Misc :  
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Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

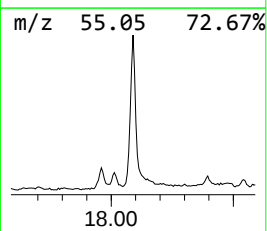
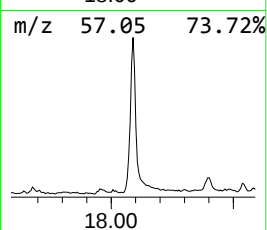
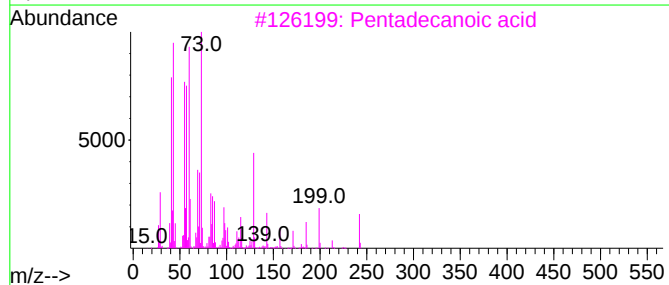
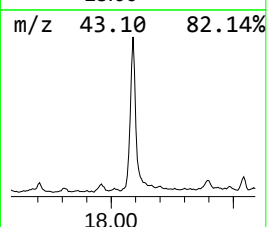
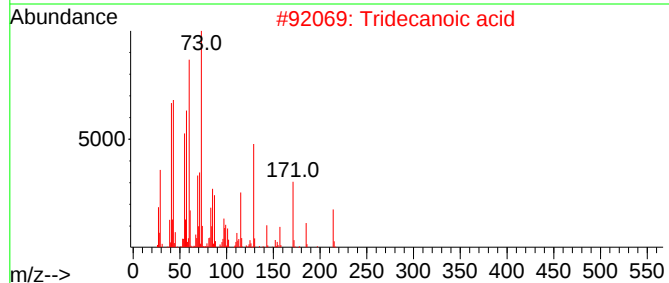
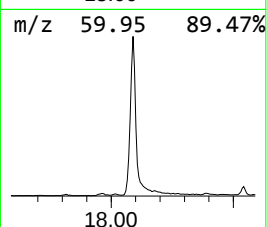
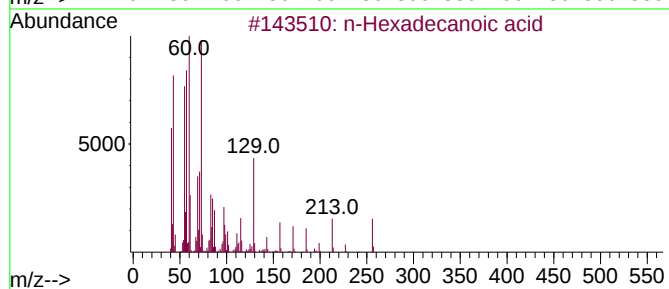
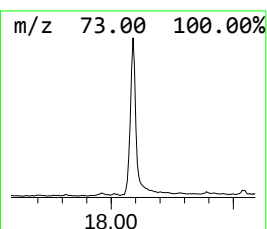
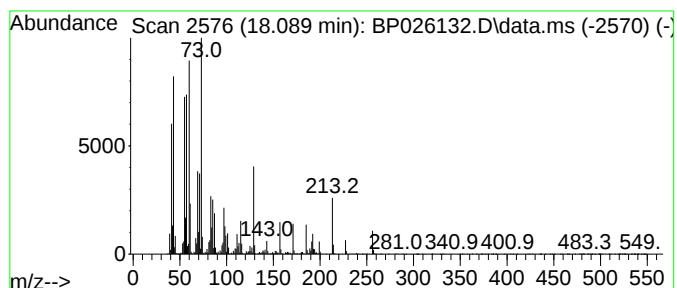
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------|---------|------------------|-------------|------|
| 18.089    | 11.91 ng            | 2379880 | Phenanthrene-d10 | 17.125      |      |
| Hit# of 5 | Tentative ID        | MW      | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256     | C16H32O2         | 000057-10-3 | 99   |
| 2         | Tridecanoic acid    | 214     | C13H26O2         | 000638-53-9 | 91   |
| 3         | Pentadecanoic acid  | 242     | C15H30O2         | 001002-84-2 | 90   |
| 4         | Undecanoic acid     | 186     | C11H22O2         | 000112-37-8 | 58   |
| 5         | Tetradecanoic acid  | 228     | C14H28O2         | 000544-63-8 | 58   |



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Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

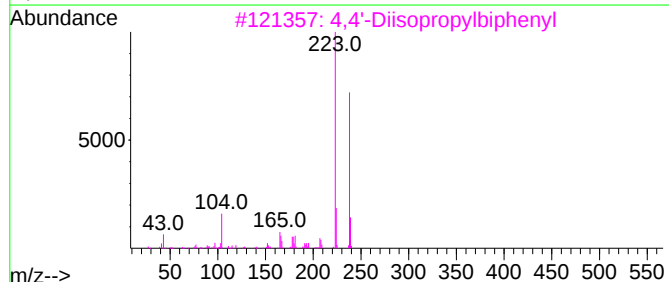
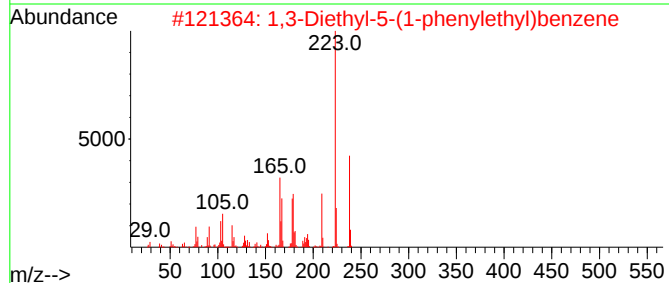
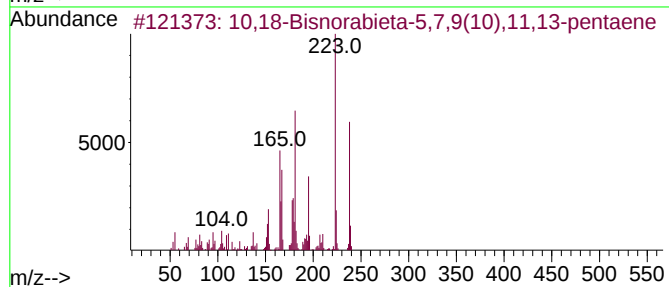
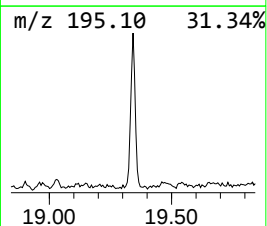
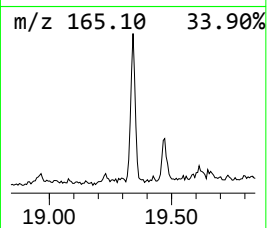
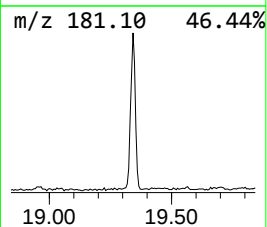
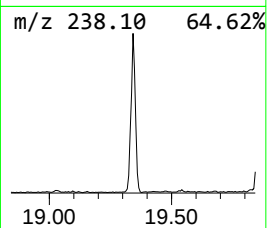
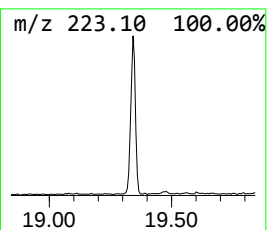
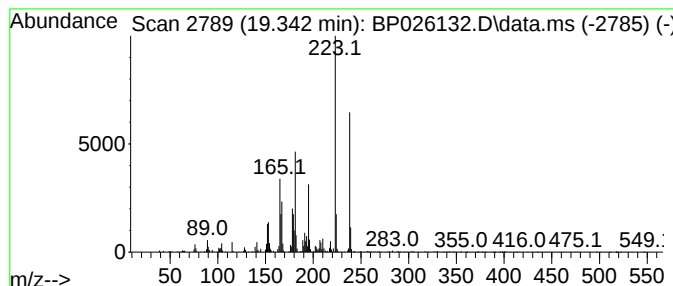
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.342 | 2.51 ng | 502355 | Phenanthrene-d10 | 17.125 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22       | 006566-19-4  | 97      |      |      |
| 2    | 1,3-Diethyl-5-(1-phenylethyl)ben... | 238 | C18H22       | 1000482-32-6 | 64      |      |      |
| 3    | 4,4'-Diisopropylbiphenyl            | 238 | C18H22       | 018970-30-4  | 60      |      |      |
| 4    | 2-Propenoic acid, 3-(3,4,5-trime... | 238 | C12H14O5     | 000090-50-6  | 55      |      |      |
| 5    | Anthracene, 1,4-dimethoxy-          | 238 | C16H14O2     | 013076-29-4  | 49      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

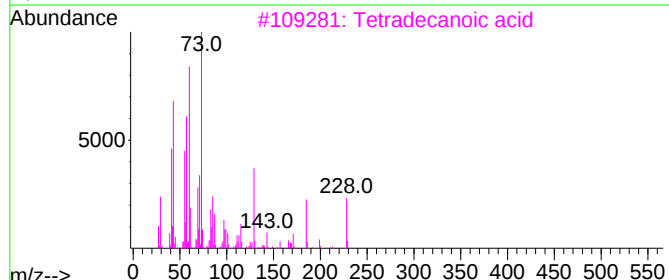
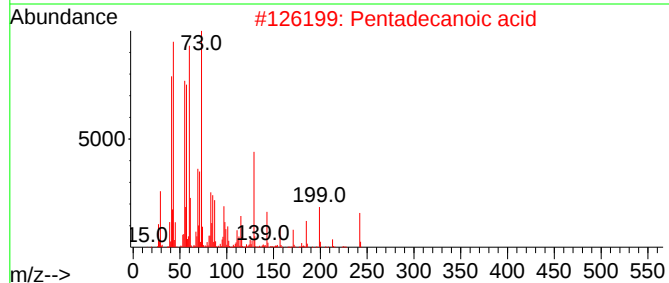
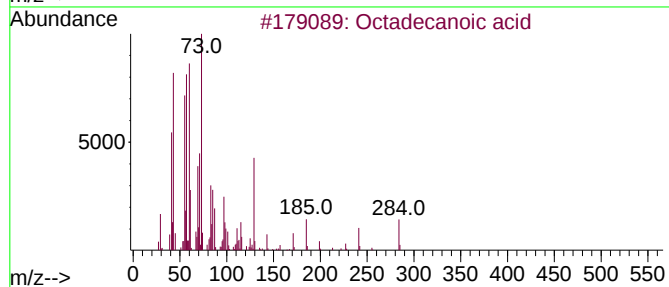
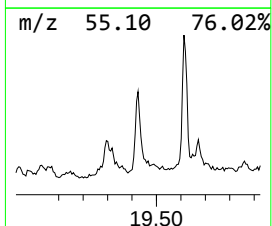
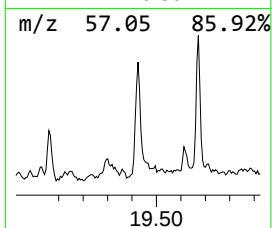
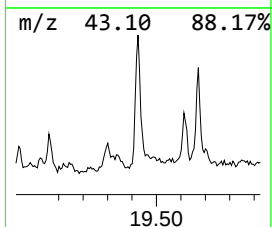
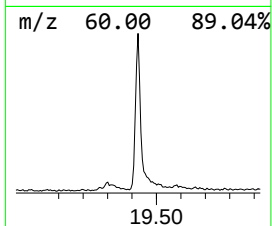
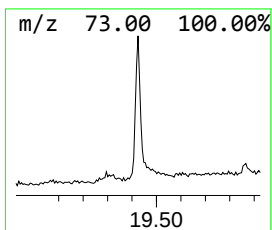
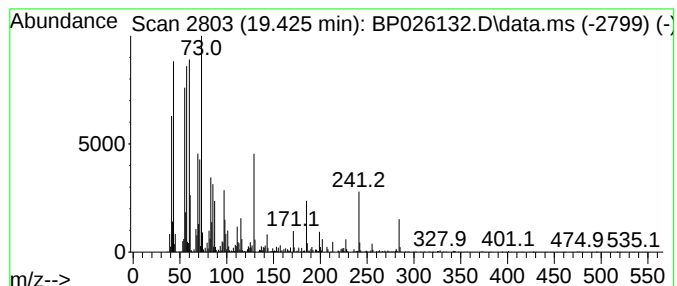
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.425 | 2.58 ng | 618706 | Chrysene-d12     | 21.577 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 80   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

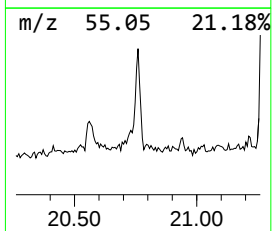
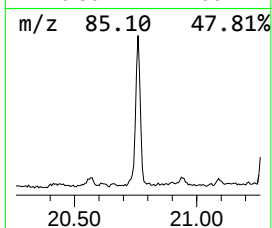
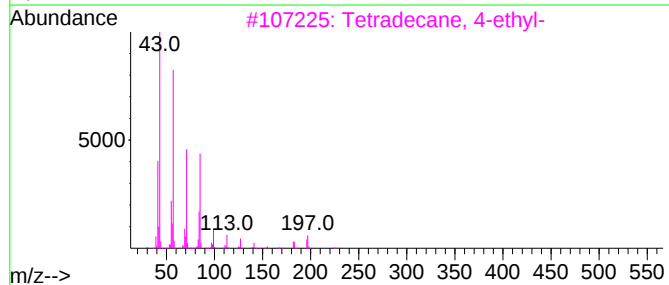
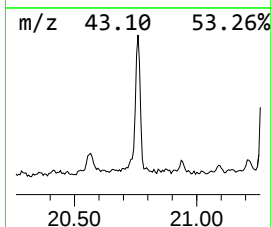
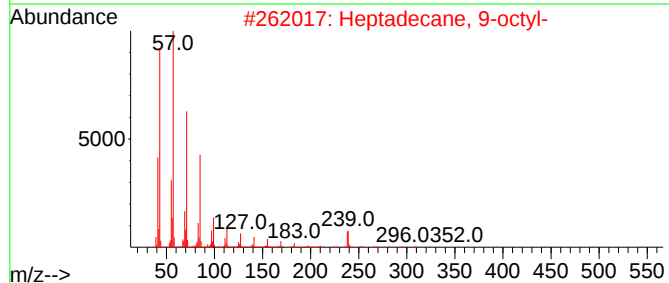
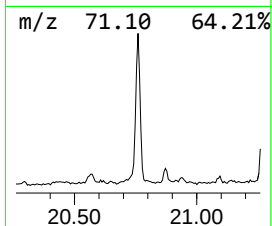
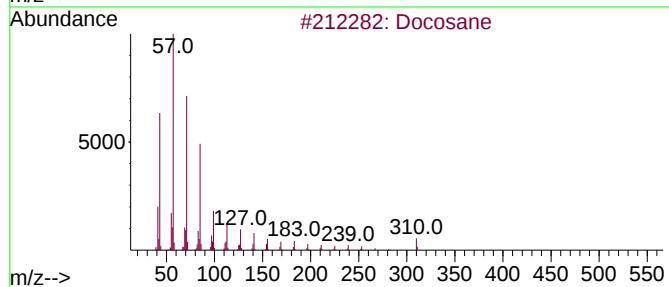
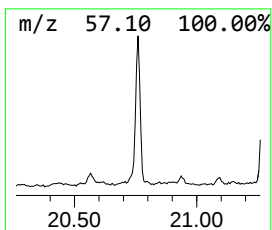
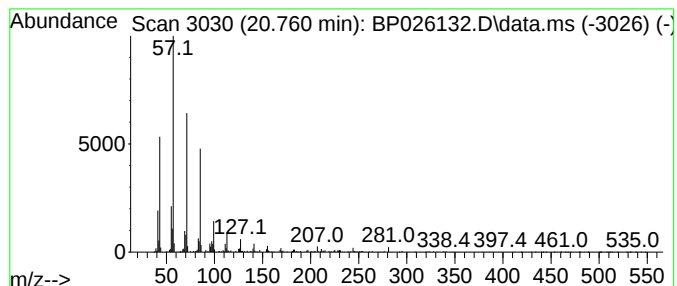
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Docosane Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.760 | 2.54 ng | 608787 | Chrysene-d12     | 21.577 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 93   |
| 2    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 92   |
| 3    |    |   | Tetradecane, 4-ethyl- | 226 | C16H34  | 055045-14-2 | 91   |
| 4    |    |   | Tetradecane, 1-iodo-  | 324 | C14H29I | 019218-94-1 | 91   |
| 5    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

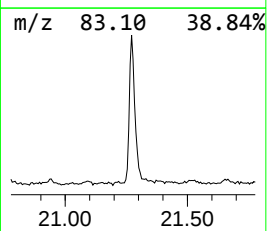
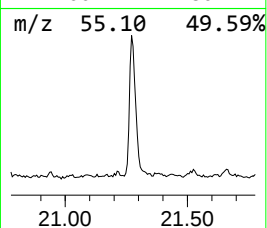
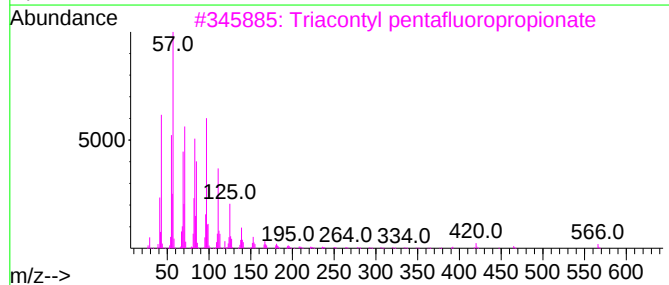
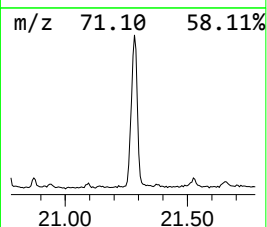
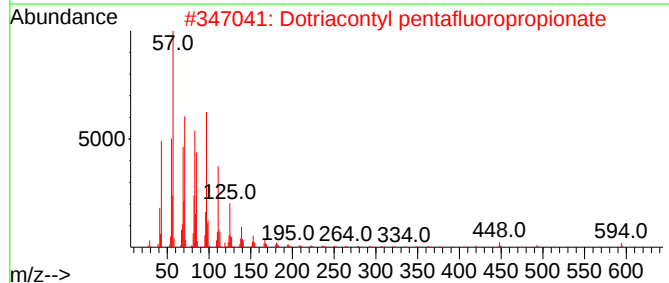
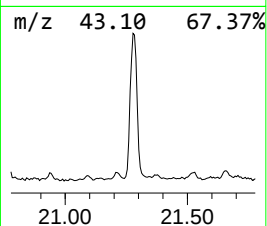
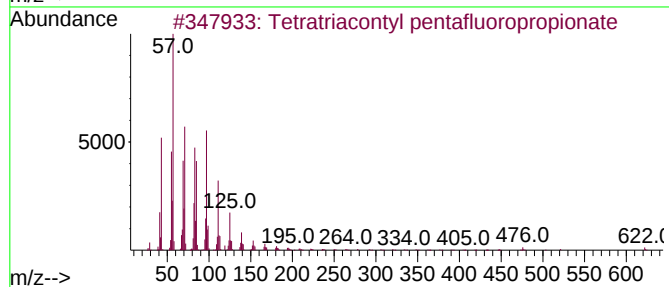
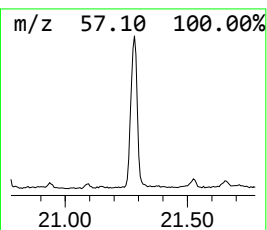
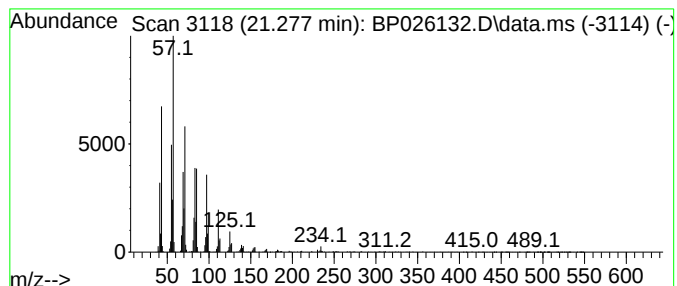
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tetratriacontyl pentafluoro... Concentration Rank 3

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.278 | 9.55 ng | 2292650 | Chrysene-d12     | 21.577 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Tetratriacontyl pentafluoropropi... | 641 | C37H69F5O2 | 1000351-81-5 | 91   |
| 2    |    |   | Dotriacontyl pentafluoropropionate  | 612 | C35H65F5O2 | 1010351-81-4 | 91   |
| 3    |    |   | Triacontyl pentafluoropropionate    | 584 | C33H61F5O2 | 1000351-80-0 | 91   |
| 4    |    |   | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 91   |
| 5    |    |   | Dotriacontyl trifluoroacetate       | 562 | C34H65F3O2 | 1000351-75-4 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

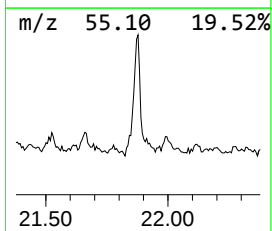
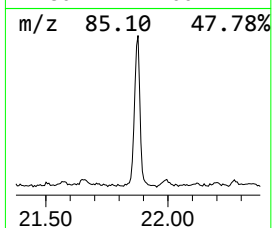
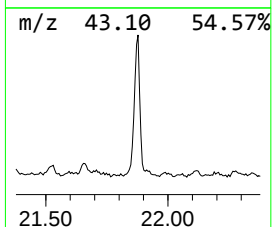
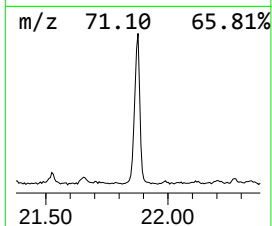
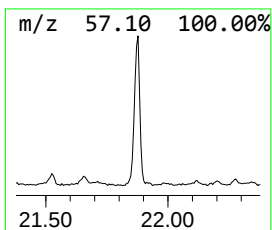
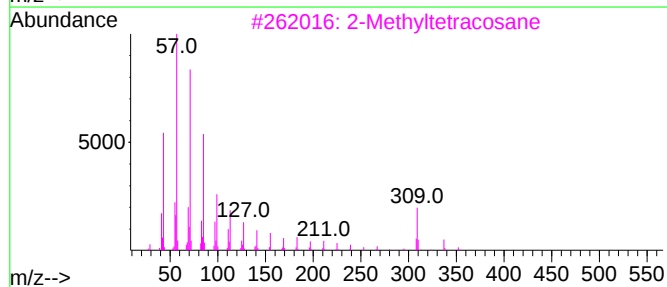
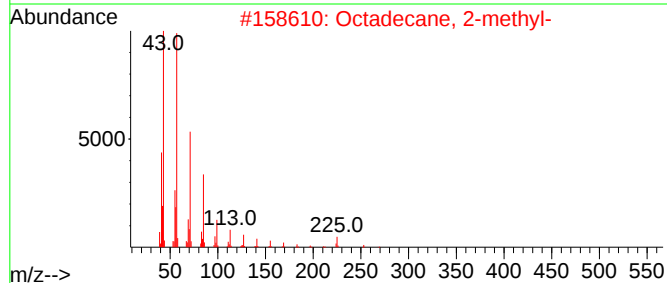
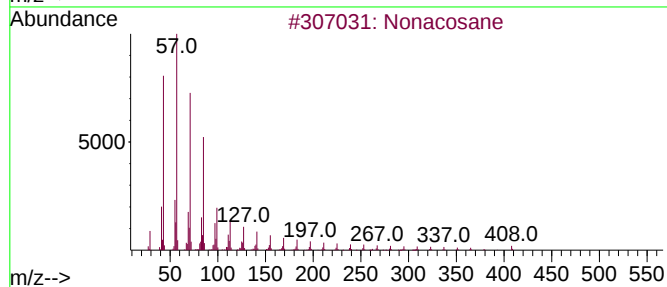
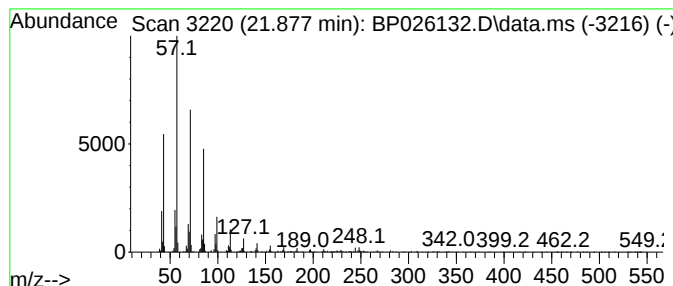
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Nonacosane Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.877 | 2.63 ng | 630513 | Chrysene-d12     | 21.577 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Nonacosane            | 408 | C29H60  | 000630-03-5 | 94   |
| 2    |    |   | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 94   |
| 3    |    |   | 2-Methyltetracosane   | 352 | C25H52  | 001560-78-7 | 94   |
| 4    |    |   | Octadecane            | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    |   | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

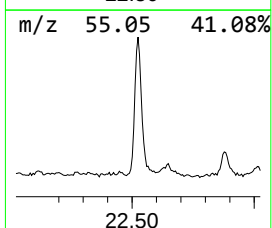
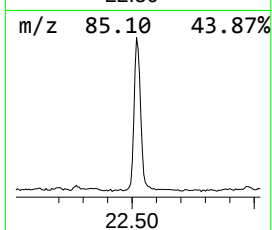
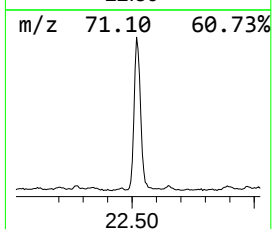
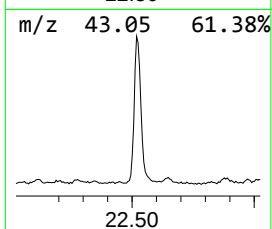
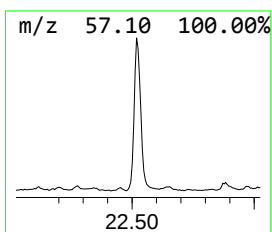
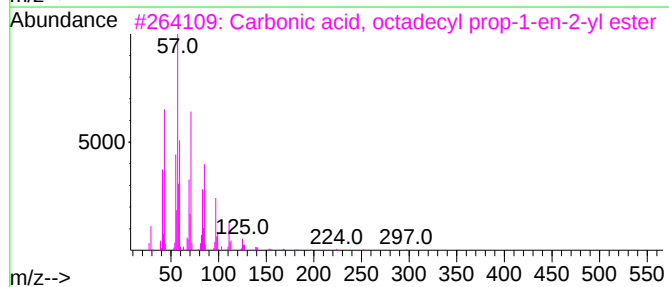
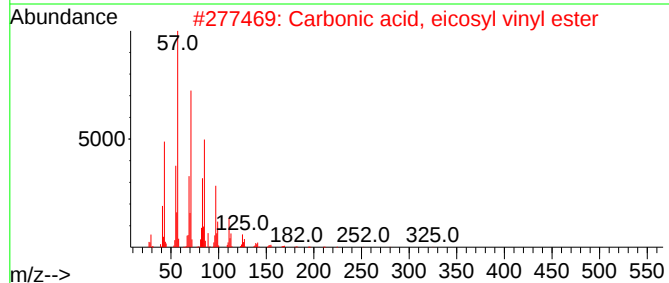
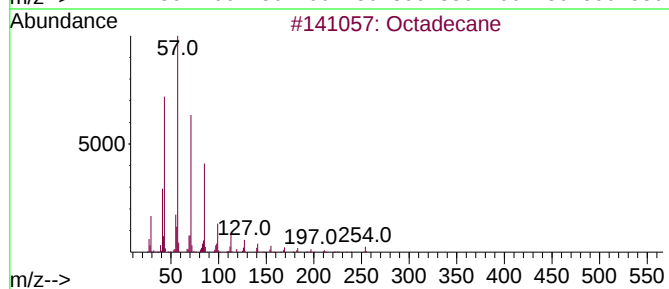
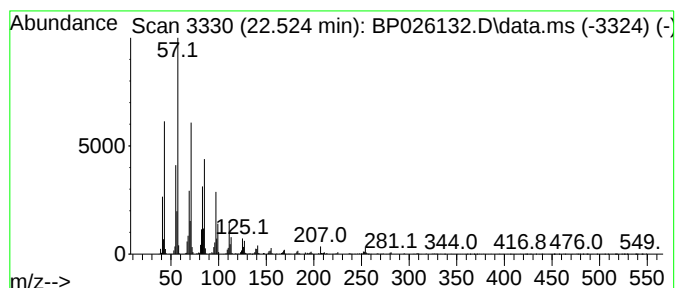
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Peak Number 10 Octadecane Concentration Rank 4

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 22.525 | 8.82 ng | 2116400 | Chrysene-d12     | 21.577 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Octadecane                          | 254 | C18H38   | 000593-45-3  | 96   |
| 2    |      | Carbonic acid, eicosyl vinyl ester  | 368 | C23H44O3 | 1000382-54-3 | 94   |
| 3    |      | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 91   |
| 4    |      | Carbonic acid, hexadecyl prop-1-... | 326 | C20H38O3 | 1000382-90-3 | 91   |
| 5    |      | Carbonic acid, decyl heptadecyl ... | 440 | C28H56O3 | 1000383-16-6 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

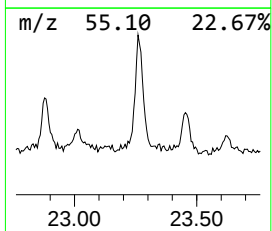
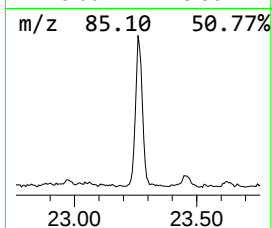
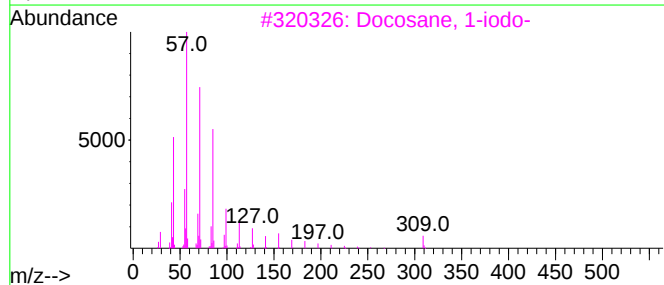
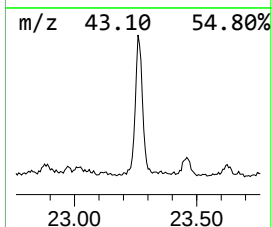
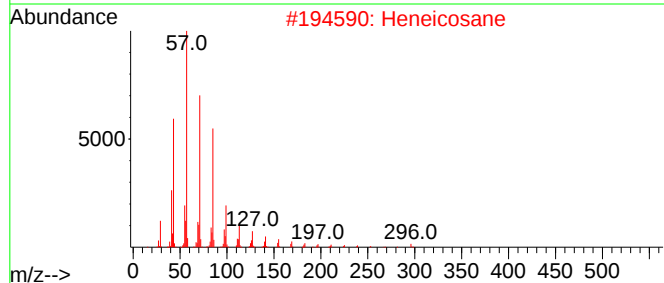
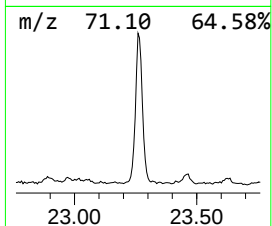
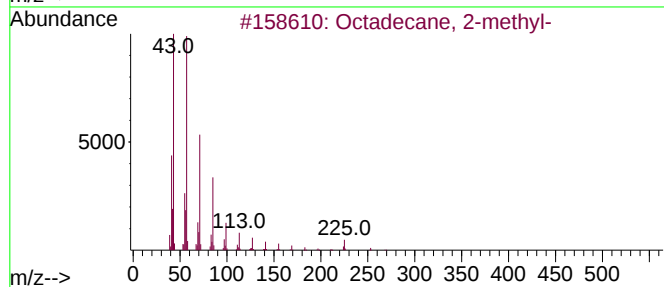
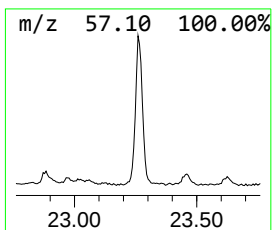
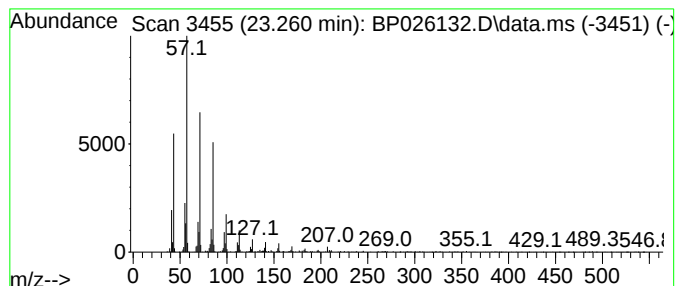
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Octadecane, 2-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 23.260 | 3.78 ng | 895734 | Perylene-d12     | 24.907 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|------|-----------------------|-----|---------|--------------|------|
| 1    |      | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9  | 94   |
| 2    |      | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |      | Docosane, 1-iodo-     | 436 | C22H45I | 1000406-31-9 | 91   |
| 4    |      | Hexacosane, 1-iodo-   | 492 | C26H53I | 1000406-32-1 | 91   |
| 5    |      | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

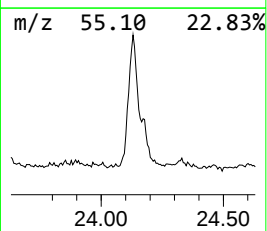
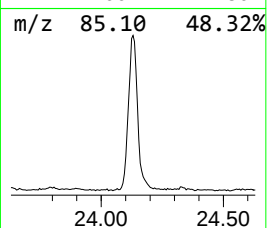
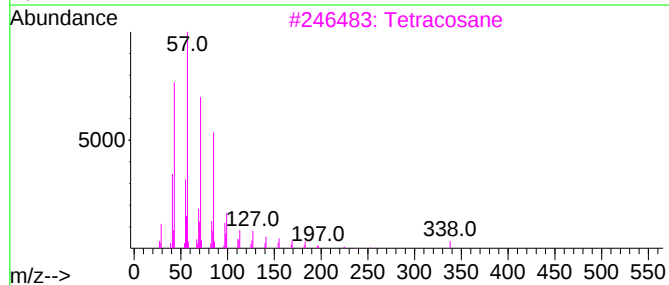
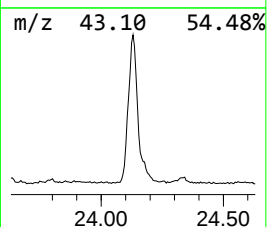
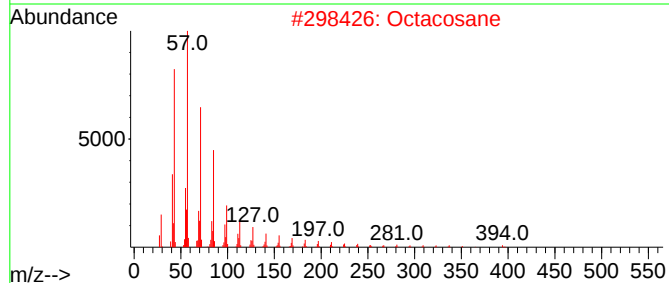
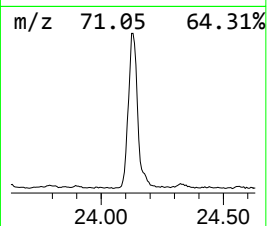
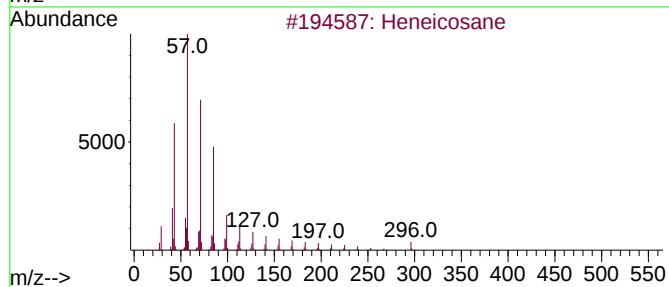
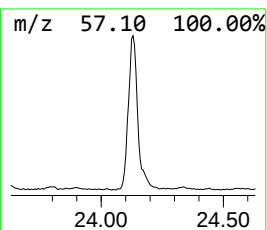
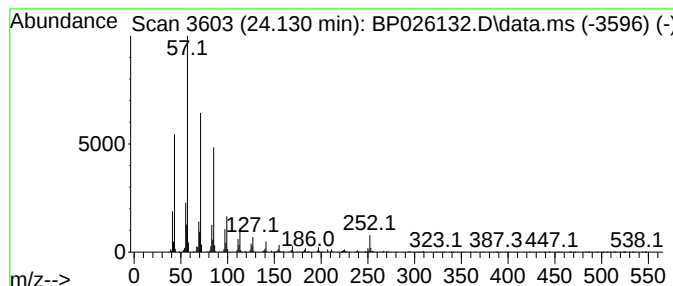
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heneicosane Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 24.130 | 10.85 ng | 2567500 | Perylene-d12     | 24.907 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane       | 296 | C21H44  | 000629-94-7 | 95   |
| 2    |    |   | Octacosane        | 394 | C28H58  | 000630-02-4 | 94   |
| 3    |    |   | Tetracosane       | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 5    |    |   | Triacontane       | 422 | C30H62  | 000638-68-6 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

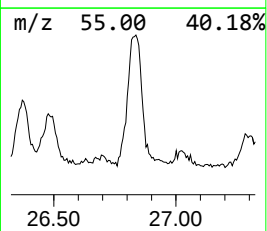
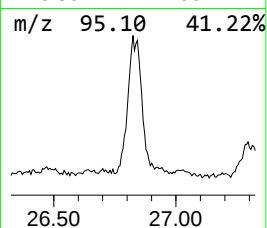
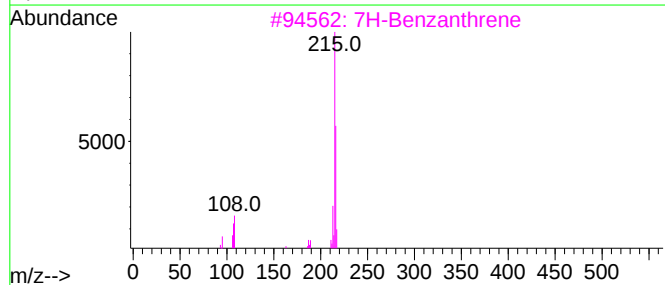
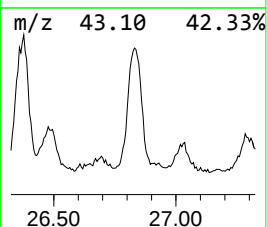
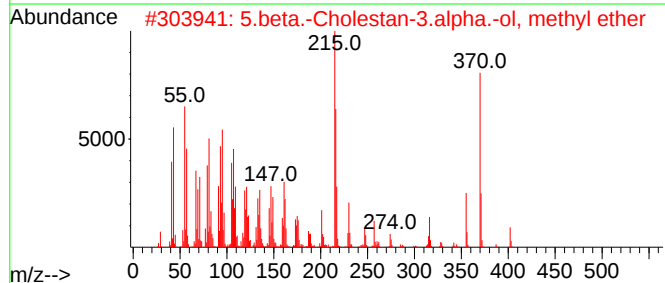
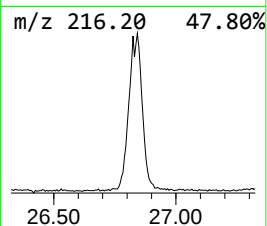
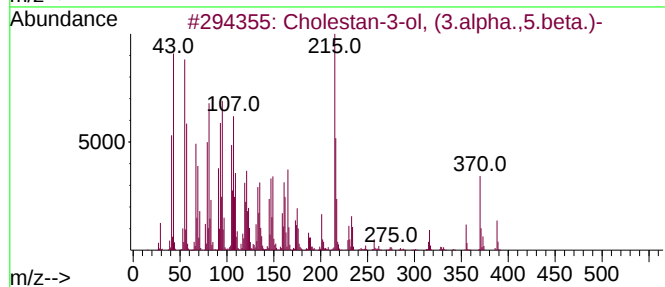
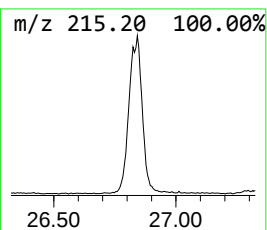
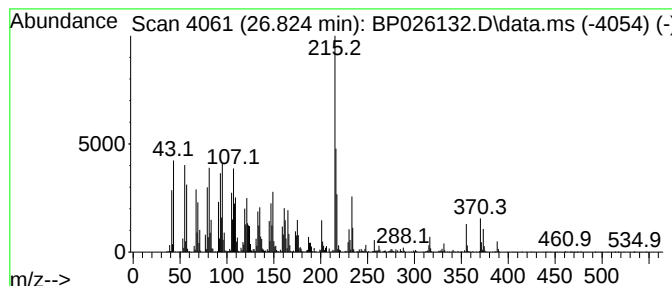
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Cholestan-3-ol, (3.alpha.,5... Concentration Rank 5

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 26.824 | 7.99 ng | 1891340 | Perylene-d12     | 24.907 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cholestan-3-ol, (3.alpha.,5.beta.)- | 388 | C27H48O   | 000516-92-7  | 99   |
| 2    |    |   | 5.beta.-Cholestan-3.alpha.-ol, m... | 402 | C28H50O   | 1000332-92-4 | 60   |
| 3    |    |   | 7H-Benzanthrene                     | 216 | C17H12    | 000199-94-0  | 38   |
| 4    |    |   | Cholestanol                         | 388 | C27H48O   | 000080-97-7  | 38   |
| 5    |    |   | Cyclopent[e]-1,3-oxazine, octahy... | 216 | C13H16N2O | 1000138-92-2 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

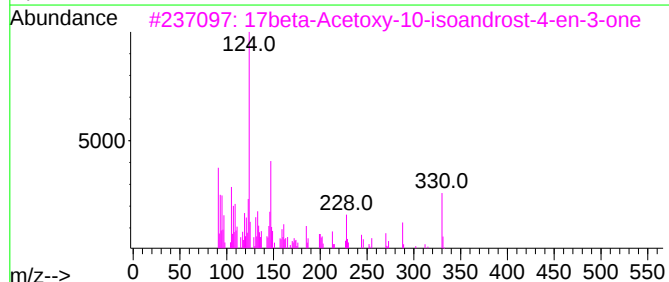
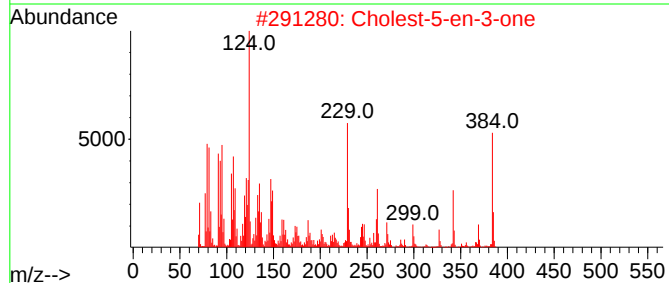
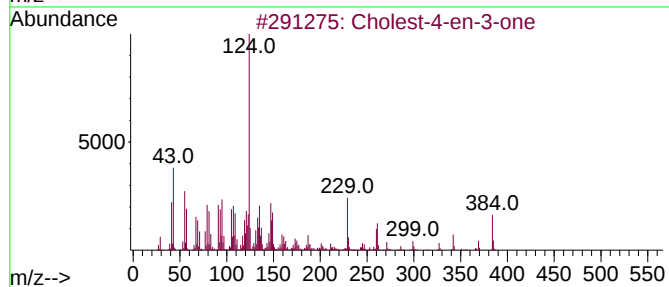
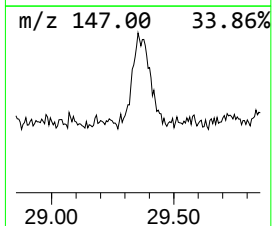
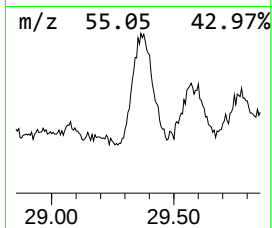
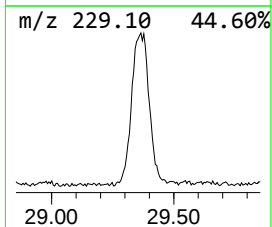
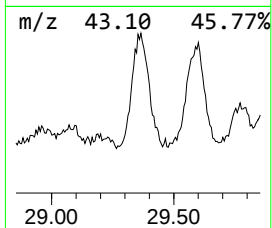
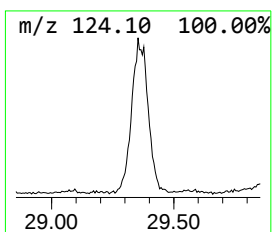
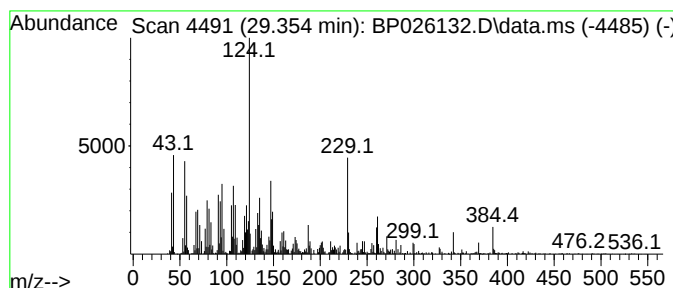
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Cholest-4-en-3-one Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 29.354 | 2.70 ng | 639869 | Perylene-d12     | 24.907 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cholest-4-en-3-one                  | 384 | C27H44O     | 000601-57-0  | 96   |
| 2    |    |   | Cholest-5-en-3-one                  | 384 | C27H44O     | 000601-54-7  | 64   |
| 3    |    |   | 17beta-Acetoxy-10-isoandrost-4-e... | 330 | C21H30O3    | 002681-55-2  | 51   |
| 4    |    |   | Stigmast-4-en-3-one                 | 412 | C29H48O     | 001058-61-3  | 50   |
| 5    |    |   | Succinic acid, 2,2-dichloroethyl... | 320 | C13H14Cl2O5 | 1010389-70-7 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111325\  
Data File : BP026132.D  
Acq On : 13 Nov 2025 17:41  
Operator : RC/JU  
Sample : Q3618-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EME-TOP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP102925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| p-Cymene           | 7.813  | 3.5     | ng    | 322091   | 1                     | 7.672  | 1854570 | 20.0 |
| Benzophenone       | 15.701 | 7.5     | ng    | 1288820  | 3                     | 14.307 | 3434600 | 20.0 |
| n-Hexadecanoic ... | 18.089 | 11.9    | ng    | 2379880  | 4                     | 17.125 | 3995970 | 20.0 |
| 10,18-Bisnorabi... | 19.342 | 2.5     | ng    | 502355   | 4                     | 17.125 | 3995970 | 20.0 |
| Octadecanoic acid  | 19.425 | 2.6     | ng    | 618706   | 5                     | 21.577 | 4799830 | 20.0 |
| Docosane           | 20.760 | 2.5     | ng    | 608787   | 5                     | 21.577 | 4799830 | 20.0 |
| Tetratriacontyl... | 21.278 | 9.6     | ng    | 2292650  | 5                     | 21.577 | 4799830 | 20.0 |
| Nonacosane         | 21.877 | 2.6     | ng    | 630513   | 5                     | 21.577 | 4799830 | 20.0 |
| Octadecane         | 22.525 | 8.8     | ng    | 2116400  | 5                     | 21.577 | 4799830 | 20.0 |
| Octadecane, 2-m... | 23.260 | 3.8     | ng    | 895734   | 6                     | 24.907 | 4734910 | 20.0 |
| Heneicosane        | 24.130 | 10.9    | ng    | 2567500  | 6                     | 24.907 | 4734910 | 20.0 |
| Cholestan-3-ol,... | 26.824 | 8.0     | ng    | 1891340  | 6                     | 24.907 | 4734910 | 20.0 |
| Cholest-4-en-3-one | 29.354 | 2.7     | ng    | 639869   | 6                     | 24.907 | 4734910 | 20.0 |