LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\Methods\SFAM-EPA-BN101222.M
Title : SVOA CALIBRATION

Signal : TIC: BN022371.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.023	3	6	29	rVB	556269	842150	22.95%	1.846%
2	3.246	40	44	57	rVB	38710	60959	1.66%	0.134%
3	3.699	119	121	135	rBV	42978	82644	2.25%	0.181%
4	3.922	153	159	167	rVV	22674	39793	1.08%	0.087%
5	4.017	171	175	182	rVB	15831	23786	0.65%	0.052%
6	5.187	369	374	380	rBV	24723	36626	1.00%	0.080%
7	6.464	585	591	599	rBV2	10453	20354	0.55%	0.045%
8	6.916	661	668	674	rBV4	6310	15555	0.42%	0.034%
9	7.093	692	698	710	rVB	208849	347464	9.47%	0.761%
10	7.263	718	727	738	rBV	673601	1083479	29.53%	2.374%
11	7.458	753	760	771	rBV	655160	1049334	28.60%	2.300%
12	7.546	771	775	781	rVV6	5719	14218	0.39%	0.031%
13	7.934	829	841	849	rBV	685074	1084853	29.57%	2.377%
14	8.134	870	875	879	rVB3	9078	14011	0.38%	0.031%
15	8.305	897	904	907	rBV3	10539	22021	0.60%	0.048%
16	8.652	956	963	974	rBV	565246	920647	25.09%	2.018%
17	9.116	1034	1042	1058	rVV	783843	1327392	36.18%	2.909%
18	9.840	1158	1165	1172	rVV	616484	1027248	28.00%	2.251%
19	9.899	1172	1175	1181	rVB3	8751	14985	0.41%	0.033%
20	10.099	1202	1209	1214	rVB2	16444	27830	0.76%	0.061%
21	10.381	1247	1257	1270	rBV	992663	1666653	45.43%	3.652%
22	10.534	1277	1283	1304	rVB	335634	629086	17.15%	1.379%
23	10.763	1314	1322	1330	rBV	936152	1591941	43.39%	3.489%
24	10.852	1330	1337	1340	rVV	29534	52583	1.43%	0.115%
25	10.904	1340	1346	1363	rVB2	185442	381673	10.40%	0.836%
26	11.163	1382	1390	1396	rBV5	11429	21436	0.58%	0.047%
27	11.810	1492	1500	1507	rBV	18350	40322	1.10%	0.088%
28	11.975	1521	1528	1534	rBV3	10074	20805	0.57%	0.046%
29	12.110	1545	1551	1557	rBV2	13284	27548	0.75%	0.060%
30	12.357	1588	1593	1599	rVB3	15877	28575	0.78%	0.063%
31	13.104	1712	1720	1722	rBV	22307	36376	0.99%	0.080%
32	13.140	1722	1726	1731	rVV	39167	65224	1.78%	0.143%
33	13.204	1733	1737	1740	rVV3	14765	24559	0.67%	0.054%
34	13.240	1740	1743	1752	rVB	32145	45989	1.25%	0.101%
35	13.416	1767	1773	1776	rBV2	14905	21745	0.59%	0.048%
36	13.463	1776	1781	1791	rVB2	46080	95216	2.60%	0.209%

LSC Area Percent Report

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Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\Methods\SFAM-EPA-BN101222.M
Title : SVOA CALIBRATION

37	13.898	1846	1855	1868	rVB2	59696	118068	3.22%	0.259%
38	14.022	1868	1876	1883	rBV	1782395	2474949	67.46%	5.424%
39	14.304	1911	1924	1934	rBV2	1893359	2839972	77.41%	6.224%
40	14.563	1964	1968	1970	rVV2	12539	19043	0.52%	0.042%
41	14.610	1970	1976	1983	rVV	1335014	1977627	53.90%	4.334%
42	14.675	1983	1987	1990	rVV	16761	21900	0.60%	0.048%
43	14.722	1990	1995	2001	rVB	205777	262974	7.17%	0.576%
44	14.822	2006	2012	2022	rBV	135633	231691	6.32%	0.508%
45	15.087	2053	2057	2069	rVB3	11864	25291	0.69%	0.055%
46	15.445	2113	2118	2122	rVB3	9083	14463	0.39%	0.032%
47	15.604	2138	2145	2152	rVV	2508067	3555597	96.91%	7.792%
48	15.734	2159	2167	2178	rBV	702004	983376	26.80%	2.155%
49	15.840	2178	2185	2193	rBV6	18262	48073	1.31%	0.105%
50	15.969	2203	2207	2212	rVB5	12658	16529	0.45%	0.036%
51	16.057	2217	2222	2226	rBV4	16014	26589	0.72%	0.058%
52	16.110	2226	2231	2246	rVB	137758	214185	5.84%	0.469%
53	16.334	2259	2269	2281	rVB3	397066	641800	17.49%	1.406%
54	16.434	2281	2286	2291	rBV2	104937	158956	4.33%	0.348%
55	16.498	2291	2297	2303	rVV2	83628	158809	4.33%	0.348%
56	16.557	2303	2307	2311	rVV2	79489	114162	3.11%	0.250%
57	16.604	2311	2315	2320	rVV3	45495	76918	2.10%	0.169%
58	16.651	2320	2323	2325	rVV	22735	32593	0.89%	0.071%
59	16.675	2325	2327	2330	rVV	29055	39542	1.08%	0.087%
60	16.704	2330	2332	2335	rVV	21900	25002	0.68%	0.055%
61	16.757	2335	2341	2348	rVB4	58492	134022	3.65%	0.294%
62	16.828	2348	2353	2357	rBV	82738	128628	3.51%	0.282%
63	16.863	2357	2359	2362	rVV2	23756	30540	0.83%	0.067%
64	16.898	2362	2365	2372	rVB2	51307	71929	1.96%	0.158%
65	17.016	2380	2385	2393	rBV	563433	767701	20.93%	1.682%
66	17.110	2395	2401	2406	rBV4	40300	78384	2.14%	0.172%
67	17.275	2425	2429	2433	rVB2	22909	29554	0.81%	0.065%
68	17.363	2438	2444	2454	rVV2	1407964	2377715	64.81%	5.211%
69	17.463	2454	2461	2474	rVV2	2561953	3668786	100.00%	8.040%
70	17.634	2486	2490	2497	rBV3	17536	33135	0.90%	0.073%
71	17.704	2497	2502	2504	rBV	12828	18281	0.50%	0.040%
72	17.739	2504	2508	2513	rVB	73212	100269	2.73%	0.220%
73	17.886	2528	2533	2546	rVB	151963	261498	7.13%	0.573%
74	18.034	2553	2558	2563	rVB	138157	176105	4.80%	0.386%
75	18.251	2592	2595	2601	rVB5	14892	19027	0.52%	0.042%
76	18.334	2602	2609	2616	rBV	51688	84187	2.29%	0.184%

LSC Area Percent Report

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Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Title : SVOA CALIBRATION

77	18.416	2620	2623	2627	rVB	13888	17171	0.47%	0.038%
78	18.516	2637	2640	2643	rBV2	10004	14434	0.39%	0.032%
79	18.551	2643	2646	2647	rBV2	21689	24040	0.66%	0.053%
80	18.686	2665	2669	2674	rBV2	31560	39773	1.08%	0.087%
81	18.957	2712	2715	2717	rBV	11285	13801	0.38%	0.030%
82	18.981	2717	2719	2722	rVB4	13557	15398	0.42%	0.034%
83	19.210	2750	2758	2765	rBV2	151435	208391	5.68%	0.457%
84	19.269	2765	2768	2773	rVB2	15162	19895	0.54%	0.044%
85	19.333	2774	2779	2784	rBV3	36674	67600	1.84%	0.148%
86	19.398	2787	2790	2796	rVV	27954	41366	1.13%	0.091%
87	19.475	2800	2803	2807	rBV	31456	40625	1.11%	0.089%
88	19.669	2834	2836	2846	rVB8	25823	40349	1.10%	0.088%
89	19.769	2847	2853	2858	rVV	2576375	3416866	93.13%	7.488%
90	19.816	2858	2861	2867	rVV	224208	288483	7.86%	0.632%
91	19.869	2867	2870	2871	rVV	16558	19972	0.54%	0.044%
92	19.892	2871	2874	2877	rVB	26884	30104	0.82%	0.066%
93	20.004	2890	2893	2896	rBV2	22573	24582	0.67%	0.054%
94	20.504	2973	2978	2988	rVB2	155717	220038	6.00%	0.482%
95	21.269	3105	3108	3118	rBV2	59755	113057	3.08%	0.248%
96	21.475	3139	3143	3148	rBV3	101938	131284	3.58%	0.288%
97	21.563	3153	3158	3164	rBV2	1092041	1459813	39.79%	3.199%
98	21.692	3177	3180	3184	rBV3	55126	86755	2.36%	0.190%
99	23.869	3542	3550	3564	rVB2	1406658	2978020	81.17%	6.526%
100	24.027	3570	3577	3587	rVB2	689287	1457375	39.72%	3.194%

Sum of corrected areas: 45632142

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
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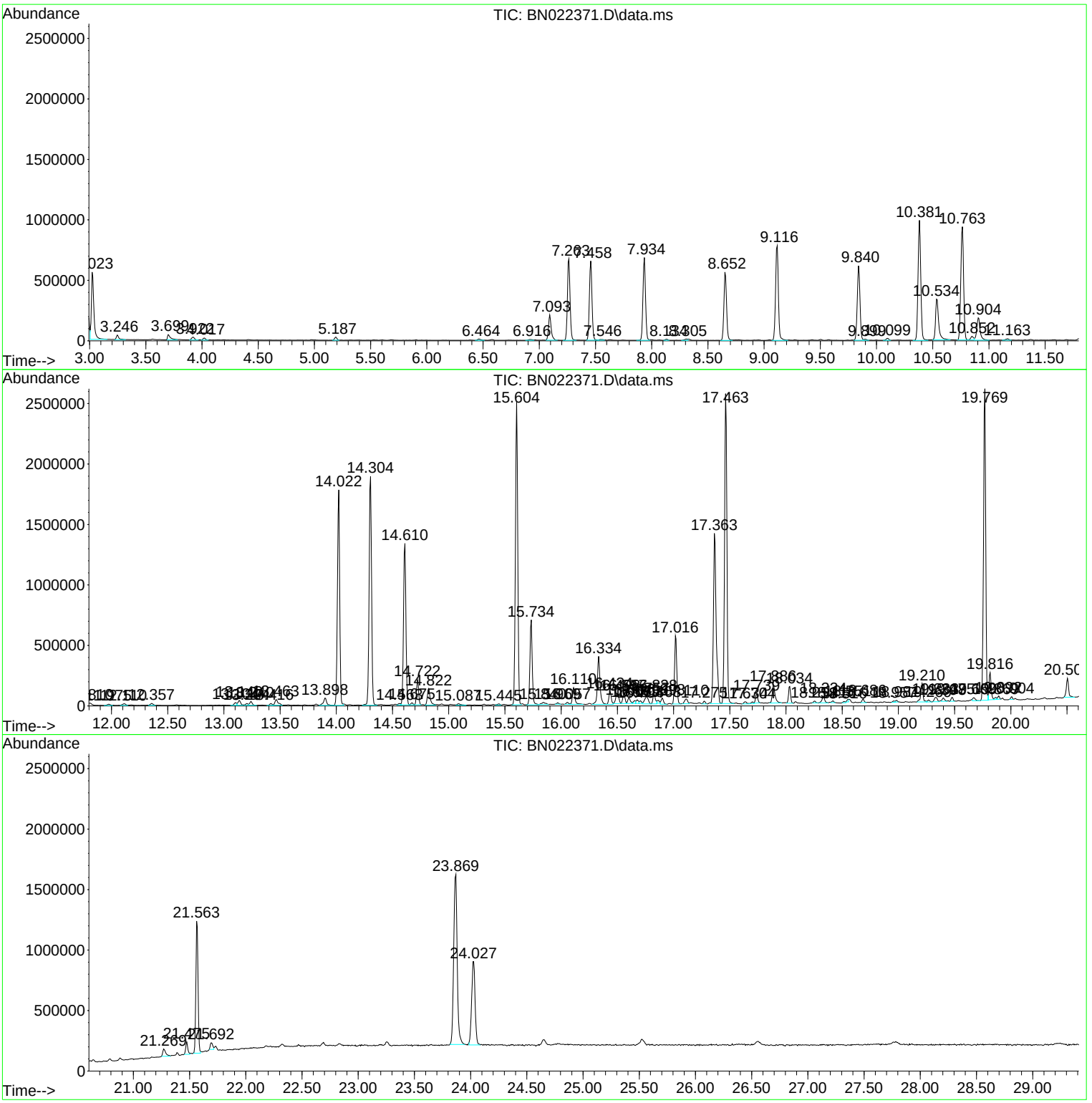
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

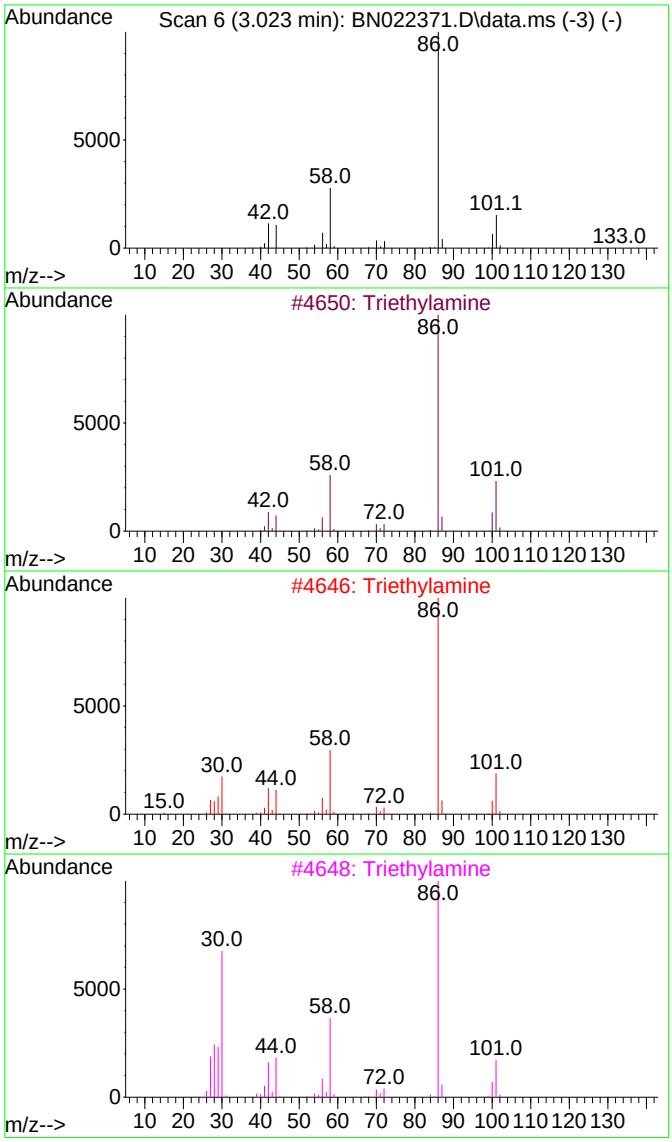
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

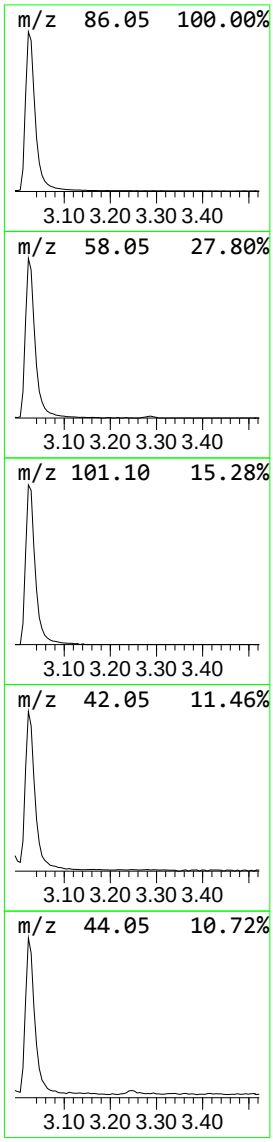
****

Peak Number 1 Triethylamine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.023	15.53 ng/ul	842150	1,4-Dichlorobenzene-d4	7.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylamine	101	C6H15N	000121-44-8	91
2	Triethylamine	101	C6H15N	000121-44-8	91
3	Triethylamine	101	C6H15N	000121-44-8	90
4	Triethylamine	101	C6H15N	000121-44-8	87
5	Tetraethylammonium chloride	165	C8H20ClN	000056-34-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

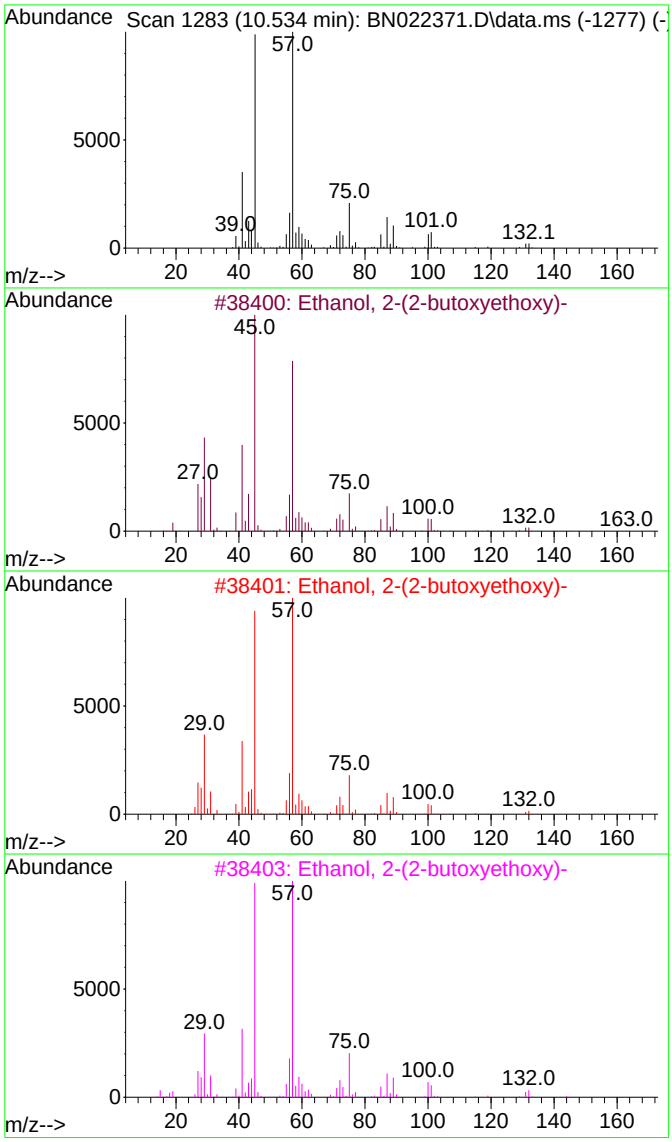
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

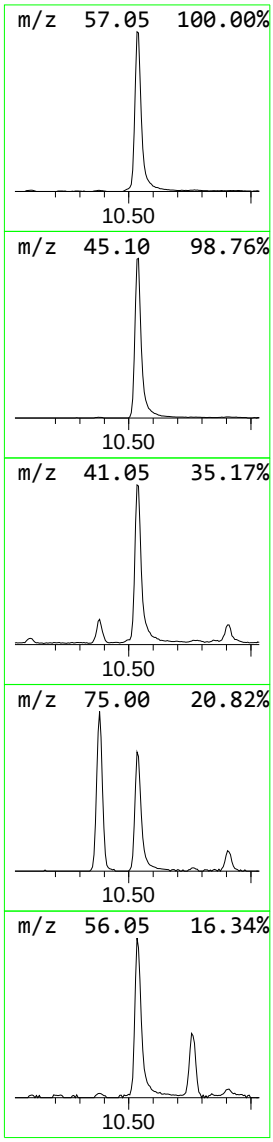
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.534	7.90 ng/ul	629086	Naphthalene-d8	10.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
3	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
4	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
5	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

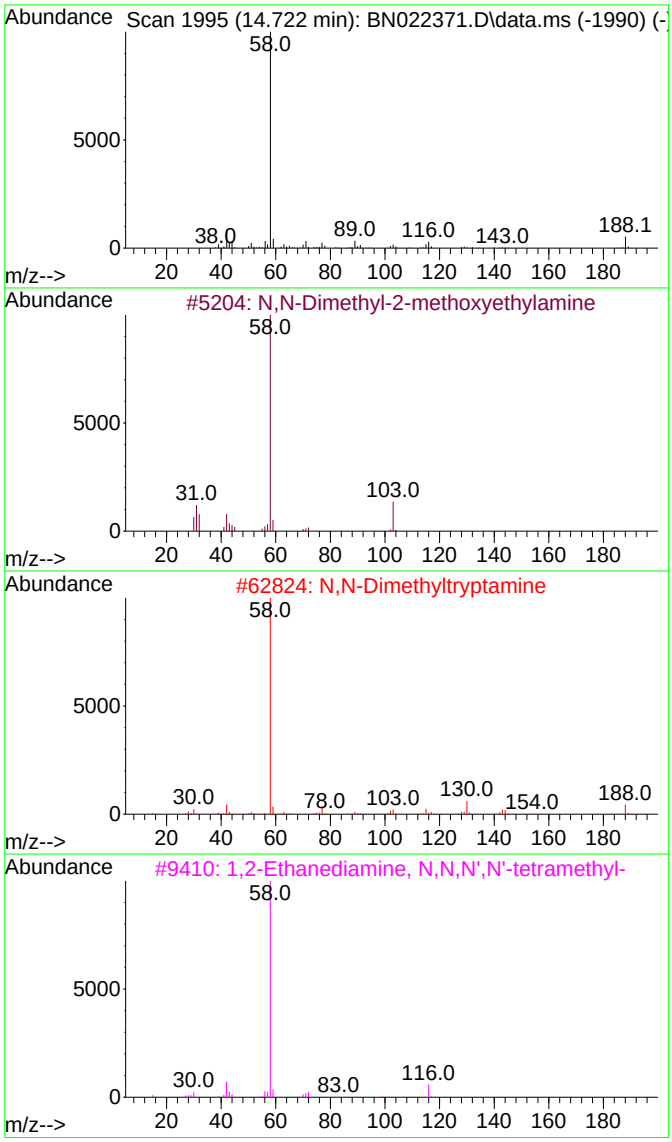
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

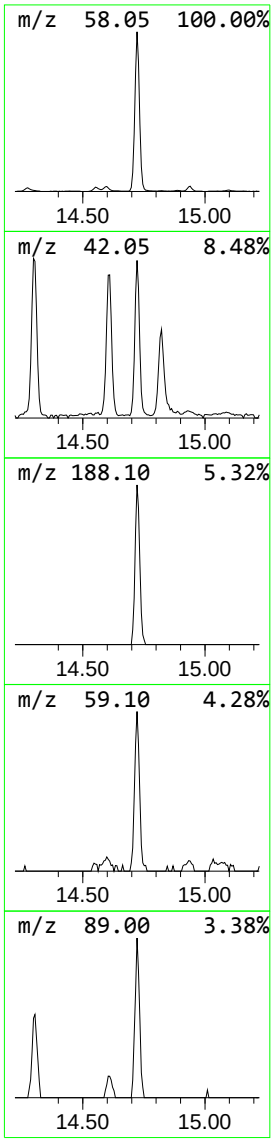
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 N,N-Dimethyl-2-methoxyethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.722	2.66 ng/ul	262974	Acenaphthene-d10	14.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyl-2-methoxyethylamine	103	C5H13NO	003030-44-2	80
2	N,N-Dimethyltryptamine	188	C12H16N2	000061-50-7	78
3	1,2-Ethanediamine, N,N,N',N'-tet...	116	C6H16N2	000110-18-9	72
4	Chlorphentermine	183	C10H14ClN	000461-78-9	72
5	1-Butanamine, N,N-dimethyl-	101	C6H15N	000927-62-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
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Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

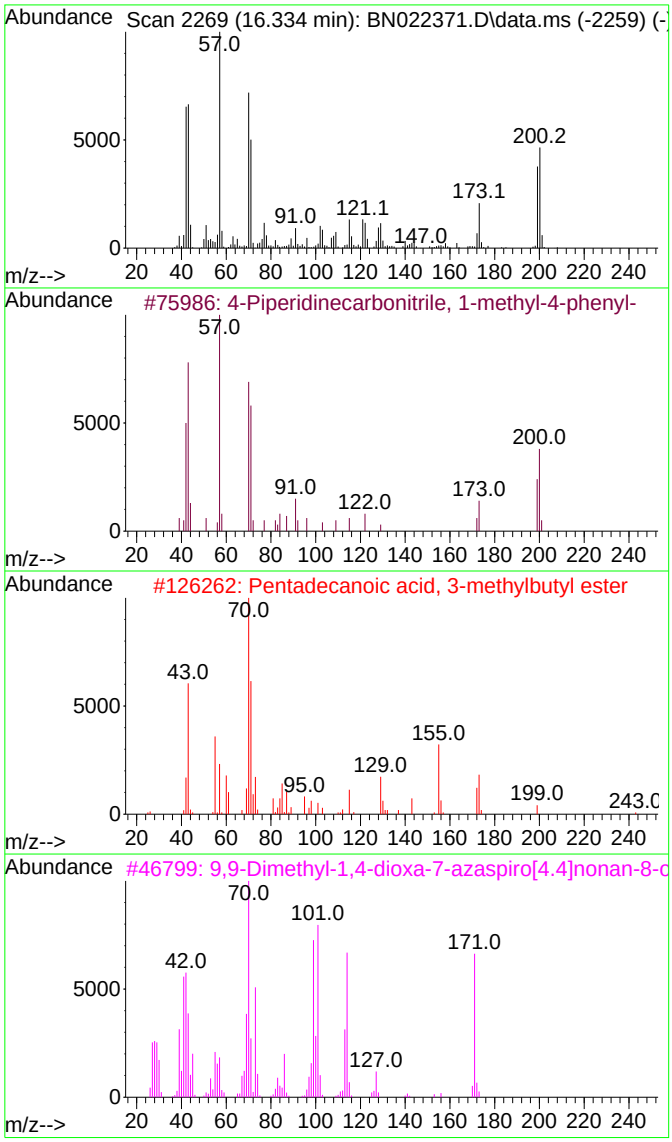
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

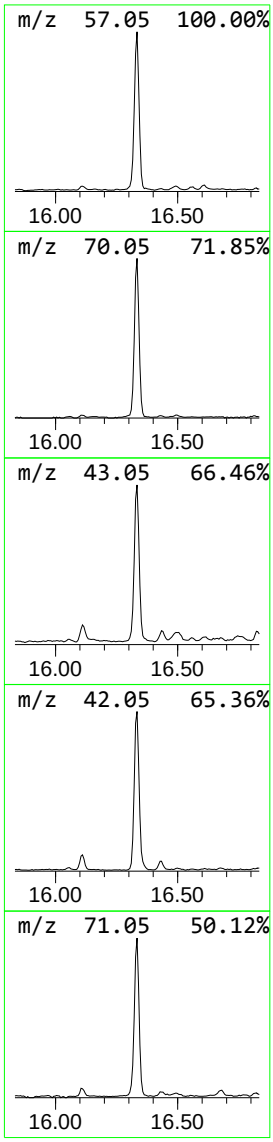
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Piperidinecarbonitrile, 1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.334	5.40 ng/ul	641800	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Piperidinecarbonitrile, 1-meth...	200	C13H16N2	003627-62-1	83
2	Pentadecanoic acid, 3-methylbuty...	242	C15H30O2	002306-91-4	25
3	9,9-Dimethyl-1,4-dioxa-7-azaspir...	171	C8H13NO3	1000185-21-2	22
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	22
5	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

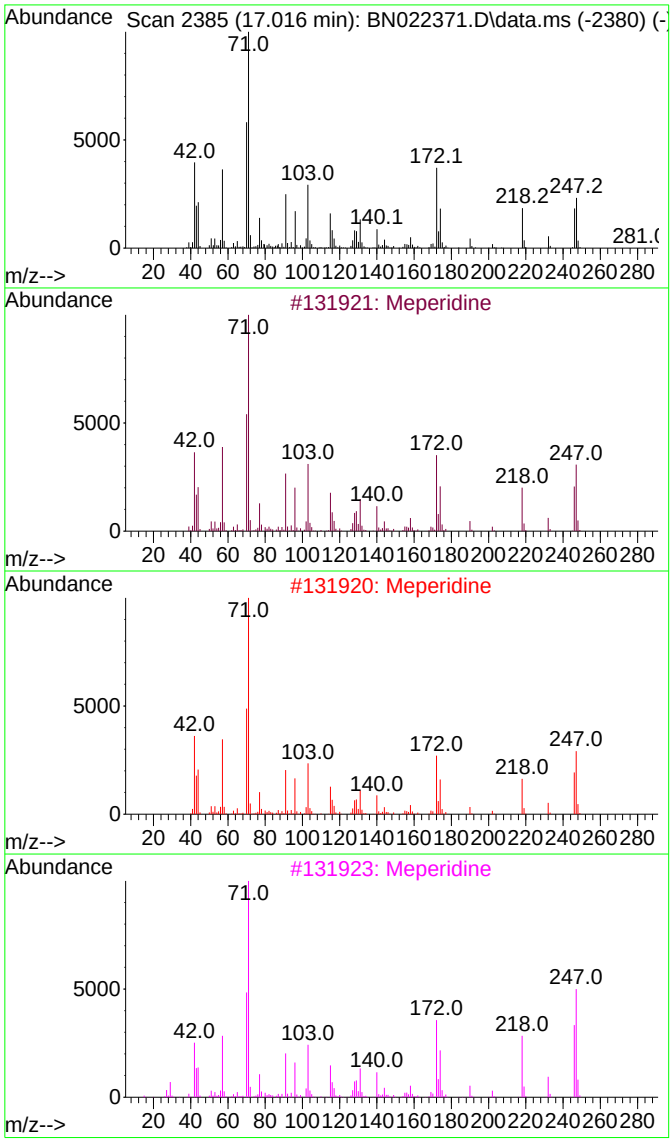
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

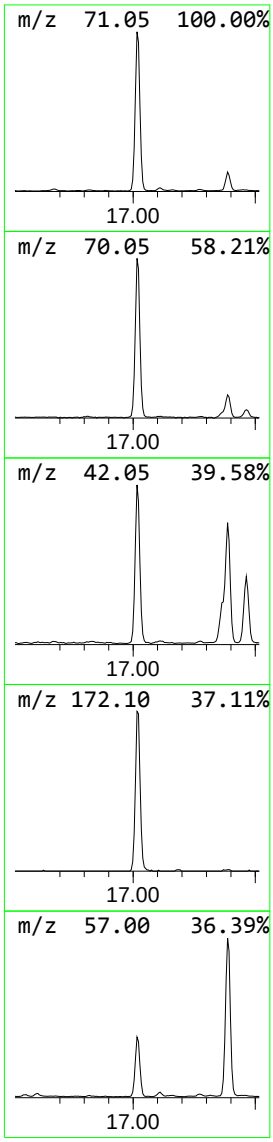
****

Peak Number 5 Meperidine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.016	6.46 ng/ul	767701	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Meperidine	247	C15H21NO2	000057-42-1	99
2	Meperidine	247	C15H21NO2	000057-42-1	99
3	Meperidine	247	C15H21NO2	000057-42-1	98
4	Meperidine	247	C15H21NO2	000057-42-1	95
5	Meperidine	247	C15H21NO2	000057-42-1	64





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Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

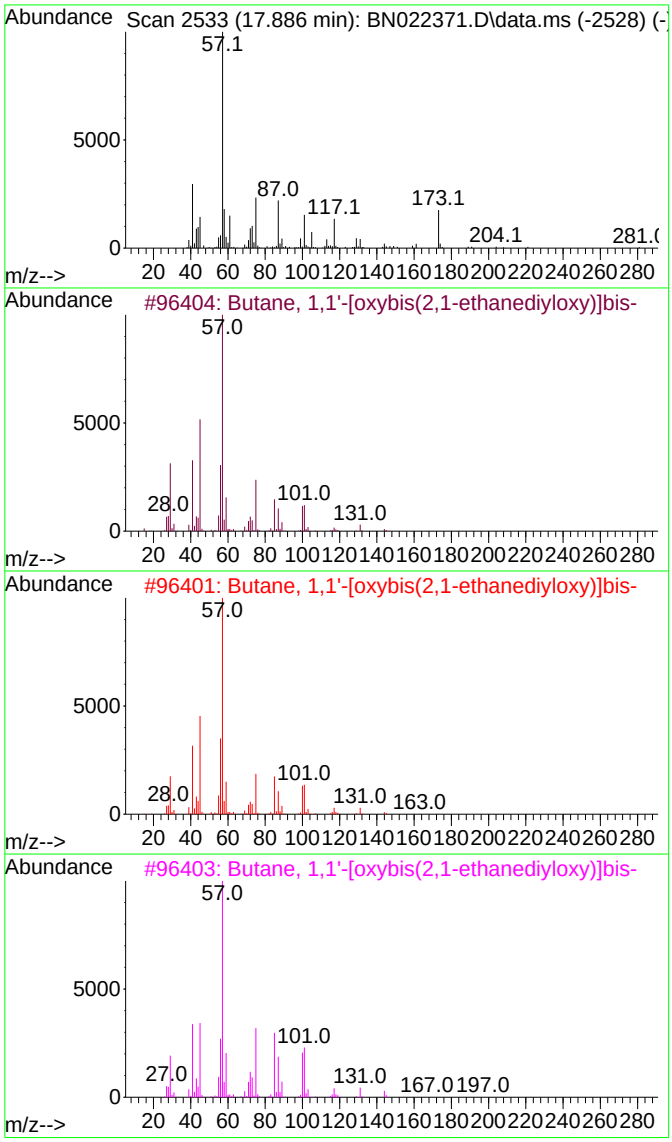
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

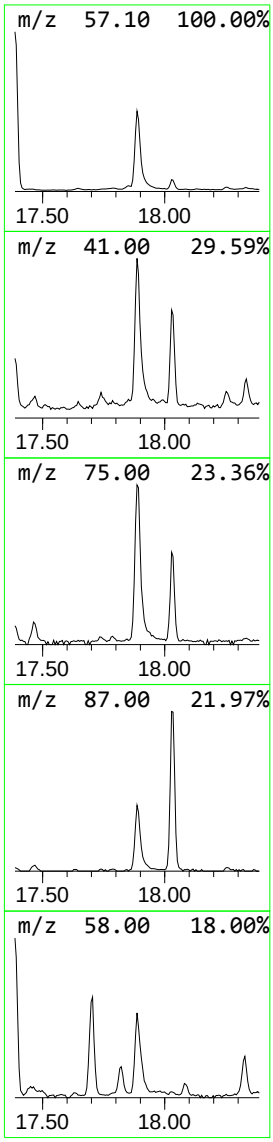
****

Peak Number 6 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.887	2.20 ng/ul	261498	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	42
2	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	38
3	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	38
4	1,2-Dibutoxyethane	174	C10H22O2	000112-48-1	35
5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

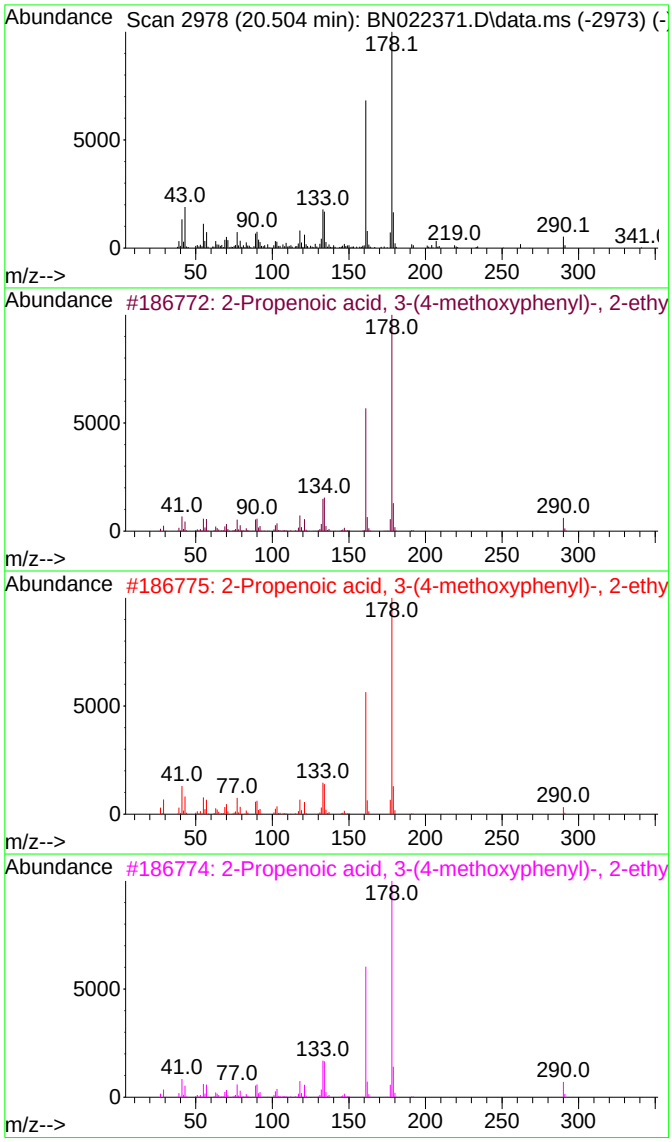
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

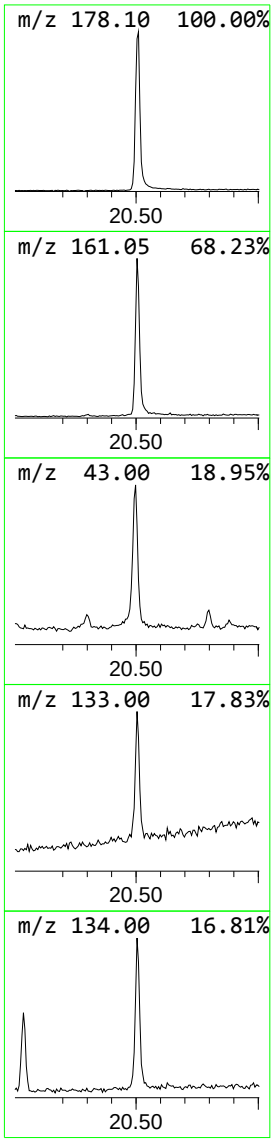
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2-Propenoic acid, 3-(4-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.504	3.01 ng/ul	220038	Chrysene-d12	21.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(4-methoxyph...	290	C18H26O3	005466-77-3	99
2	2-Propenoic acid, 3-(4-methoxyph...	290	C18H26O3	005466-77-3	98
3	2-Propenoic acid, 3-(4-methoxyph...	290	C18H26O3	005466-77-3	98
4	2-Propenoic acid, 3-(4-methoxyph...	290	C18H26O3	005466-77-3	91
5	2-Ethylhexyl trans-4-methoxycinn...	290	C18H26O3	083834-59-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102922\
Data File : BN022371.D
Acq On : 27 Oct 2022 21:10
Operator : CG/JU
Sample : N5232-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHAC9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Triethylamine	3.023	15.5	ng/ul	842150	1	7.934	1084850	20.0
Ethanol, 2-(2-b...	10.534	7.9	ng/ul	629086	2	10.763	1591940	20.0
N,N-Dimethyl-2-...	14.722	2.7	ng/ul	262974	3	14.610	1977630	20.0
4-Piperidinecar...	16.334	5.4	ng/ul	641800	4	17.363	2377720	20.0
Meperidine	17.016	6.5	ng/ul	767701	4	17.363	2377720	20.0
unknown-01	17.887	2.2	ng/ul	261498	4	17.363	2377720	20.0
2-Propenoic aci...	20.504	3.0	ng/ul	220038	5	21.563	1459810	20.0