

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM022936.D
 Acq On : 04 Oct 2019 01:14
 Operator : JU
 Sample : K4988-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ESNY8

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM092719MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.269	45	48	59	rVB	25293	41348	1.62%	0.120%
2	3.687	115	119	125	rVB	13175	18964	0.74%	0.055%
3	3.781	131	135	144	rVV	65534	85439	3.35%	0.248%
4	3.858	145	148	152	rVV2	7719	11307	0.44%	0.033%
5	3.910	152	157	164	rVB	39511	62223	2.44%	0.181%
6	4.005	169	173	177	rVB2	8882	12979	0.51%	0.038%
7	4.099	185	189	194	rVB	13285	19234	0.75%	0.056%
8	4.452	245	249	256	rVB	7726	12422	0.49%	0.036%
9	4.557	263	267	272	rVB2	8327	11147	0.44%	0.032%
10	4.922	324	329	341	rBV	32511	62066	2.44%	0.180%
11	5.034	346	348	353	rVB3	4323	6198	0.24%	0.018%
12	6.187	540	544	548	rVB	11619	16641	0.65%	0.048%
13	6.493	590	596	604	rVB	135461	206293	8.10%	0.599%
14	6.799	641	648	653	rBV3	8343	14514	0.57%	0.042%
15	6.963	668	676	688	rBV2	417192	763689	29.97%	2.217%
16	7.128	697	704	713	rBV	317231	509417	19.99%	1.479%
17	7.240	717	723	732	rVV	231639	362489	14.23%	1.052%
18	7.328	732	738	749	rVB	443405	697322	27.37%	2.025%
19	7.793	810	817	826	rBV	783204	1225223	48.09%	3.557%
20	7.863	826	829	834	rVB4	5332	8140	0.32%	0.024%
21	8.022	851	856	860	rBV3	4466	7614	0.30%	0.022%
22	8.075	862	865	871	rVB2	4542	7520	0.30%	0.022%
23	8.498	931	937	948	rBV	352085	566392	22.23%	1.645%
24	8.622	953	958	964	rVB	17192	27823	1.09%	0.081%
25	8.945	1006	1013	1021	rBV	393227	637349	25.01%	1.851%
26	9.028	1022	1027	1033	rVB	23355	35391	1.39%	0.103%
27	9.122	1039	1043	1048	rVB5	3801	6100	0.24%	0.018%
28	9.392	1085	1089	1097	rVB2	13684	18940	0.74%	0.055%
29	9.669	1126	1136	1144	rBV	315053	521579	20.47%	1.514%
30	10.210	1220	1228	1237	rBV	516141	853509	33.50%	2.478%
31	10.586	1284	1292	1300	rBV	1056017	1784511	70.04%	5.181%
32	10.722	1307	1315	1336	rVB	280476	536783	21.07%	1.559%
33	11.381	1422	1427	1432	rBV5	3510	5834	0.23%	0.017%
34	11.622	1464	1468	1471	rBV2	4382	7591	0.30%	0.022%

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35	12.016	1531	1535	1542	rVB	13943	21633	0.85%	0.063%
36	12.175	1557	1562	1568	rVB4	7659	14265	0.56%	0.041%
37	12.980	1695	1699	1702	rVB3	6264	7932	0.31%	0.023%
38	13.263	1744	1747	1752	rBV3	12011	16281	0.64%	0.047%
39	13.763	1826	1832	1839	rBV	174267	238732	9.37%	0.693%
40	13.839	1839	1845	1849	rVV	907632	1245869	48.90%	3.617%
41	13.886	1849	1853	1858	rVV	283982	393865	15.46%	1.144%
42	13.927	1858	1860	1864	rVB	10078	11059	0.43%	0.032%
43	14.122	1886	1893	1906	rBV	1111041	1652946	64.87%	4.799%
44	14.304	1921	1924	1927	rVV	6185	6935	0.27%	0.020%
45	14.339	1927	1930	1934	rVB	18344	22831	0.90%	0.066%
46	14.427	1939	1945	1952	rBV	1505703	2255818	88.54%	6.550%
47	14.504	1954	1958	1962	rVV4	8781	15271	0.60%	0.044%
48	14.627	1973	1979	1988	rBV	198640	336489	13.21%	0.977%
49	14.780	2000	2005	2010	rBV3	16850	27402	1.08%	0.080%
50	14.845	2011	2016	2023	rVB5	15614	22611	0.89%	0.066%
51	14.963	2032	2036	2039	rBV4	3924	5936	0.23%	0.017%
52	15.227	2077	2081	2087	rBV3	3202	6452	0.25%	0.019%
53	15.292	2087	2092	2096	rBV2	16430	22347	0.88%	0.065%
54	15.421	2107	2114	2121	rBV	1399898	1922238	75.44%	5.581%
55	15.480	2121	2124	2128	rVV4	14860	18177	0.71%	0.053%
56	15.533	2128	2133	2144	rVB	196756	283117	11.11%	0.822%
57	15.663	2151	2155	2158	rBV2	14102	23216	0.91%	0.067%
58	15.698	2159	2161	2166	rVB3	9942	11474	0.45%	0.033%
59	15.910	2193	2197	2202	rBV5	11965	17585	0.69%	0.051%
60	16.151	2234	2238	2240	rBV	17929	23304	0.91%	0.068%
61	16.174	2240	2242	2246	rVB2	15970	18427	0.72%	0.054%
62	16.286	2257	2261	2265	rBV7	4377	7498	0.29%	0.022%
63	16.416	2279	2283	2290	rVB5	4351	7834	0.31%	0.023%
64	16.710	2330	2333	2337	rBV5	7600	9376	0.37%	0.027%
65	16.939	2369	2372	2376	rBV4	14380	21129	0.83%	0.061%
66	16.992	2377	2381	2388	rVB2	12941	20624	0.81%	0.060%
67	17.068	2391	2394	2397	rBV2	12625	14375	0.56%	0.042%
68	17.168	2403	2411	2416	rBV2	1678073	2331158	91.49%	6.768%
69	17.210	2416	2418	2422	rVV	138719	163671	6.42%	0.475%
70	17.268	2422	2428	2438	rVB	1341894	1874590	73.57%	5.443%
71	17.557	2473	2477	2483	rBV6	9087	16514	0.65%	0.048%

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72	17.674	2493	2497	2505	rBV3	12932	22685	0.89%	0.066%
73	17.951	2539	2544	2548	rBV5	7430	13178	0.52%	0.038%
74	18.004	2550	2553	2556	rBV2	18471	22624	0.89%	0.066%
75	18.068	2557	2564	2571	rVV2	116796	197502	7.75%	0.573%
76	18.139	2572	2576	2579	rVB	27302	33466	1.31%	0.097%
77	18.239	2588	2593	2597	rBV2	24467	43113	1.69%	0.125%
78	18.357	2609	2613	2625	rBV7	26031	52446	2.06%	0.152%
79	18.498	2634	2637	2642	rBV4	14078	18336	0.72%	0.053%
80	18.545	2642	2645	2648	rBV	12481	16083	0.63%	0.047%
81	18.633	2658	2660	2664	rBV3	5817	6276	0.25%	0.018%
82	18.757	2678	2681	2684	rBV5	9871	9125	0.36%	0.026%
83	18.945	2708	2713	2719	rBV7	56617	94815	3.72%	0.275%
84	18.998	2719	2722	2727	rVV	31636	41979	1.65%	0.122%
85	19.098	2736	2739	2746	rVB8	14467	25690	1.01%	0.075%
86	19.227	2752	2761	2766	rBV	345807	495437	19.44%	1.438%
87	19.345	2775	2781	2783	rBV5	40114	64481	2.53%	0.187%
88	19.557	2812	2817	2832	rBV2	1531176	2547911	100.00%	7.398%
89	20.045	2897	2900	2903	rBV4	27483	40317	1.58%	0.117%
90	20.080	2904	2906	2908	rVV2	44363	52206	2.05%	0.152%
91	20.109	2908	2911	2917	rVB3	137624	186507	7.32%	0.542%
92	20.533	2980	2983	2986	rBV2	75906	91409	3.59%	0.265%
93	20.568	2986	2989	2993	rVB5	53326	73146	2.87%	0.212%
94	20.762	3019	3022	3029	rBV	95136	111625	4.38%	0.324%
95	21.062	3070	3073	3079	rVB3	295883	348543	13.68%	1.012%
96	21.345	3116	3121	3126	rBV	1762752	2382724	93.52%	6.918%
97	22.927	3386	3390	3393	rBV	230765	378735	14.86%	1.100%
98	22.968	3394	3397	3408	rVB2	295919	470297	18.46%	1.365%
99	23.462	3476	3481	3486	rBV	999127	1782239	69.95%	5.175%
100	23.609	3500	3506	3524	rVB	1269500	2545549	99.91%	7.391%

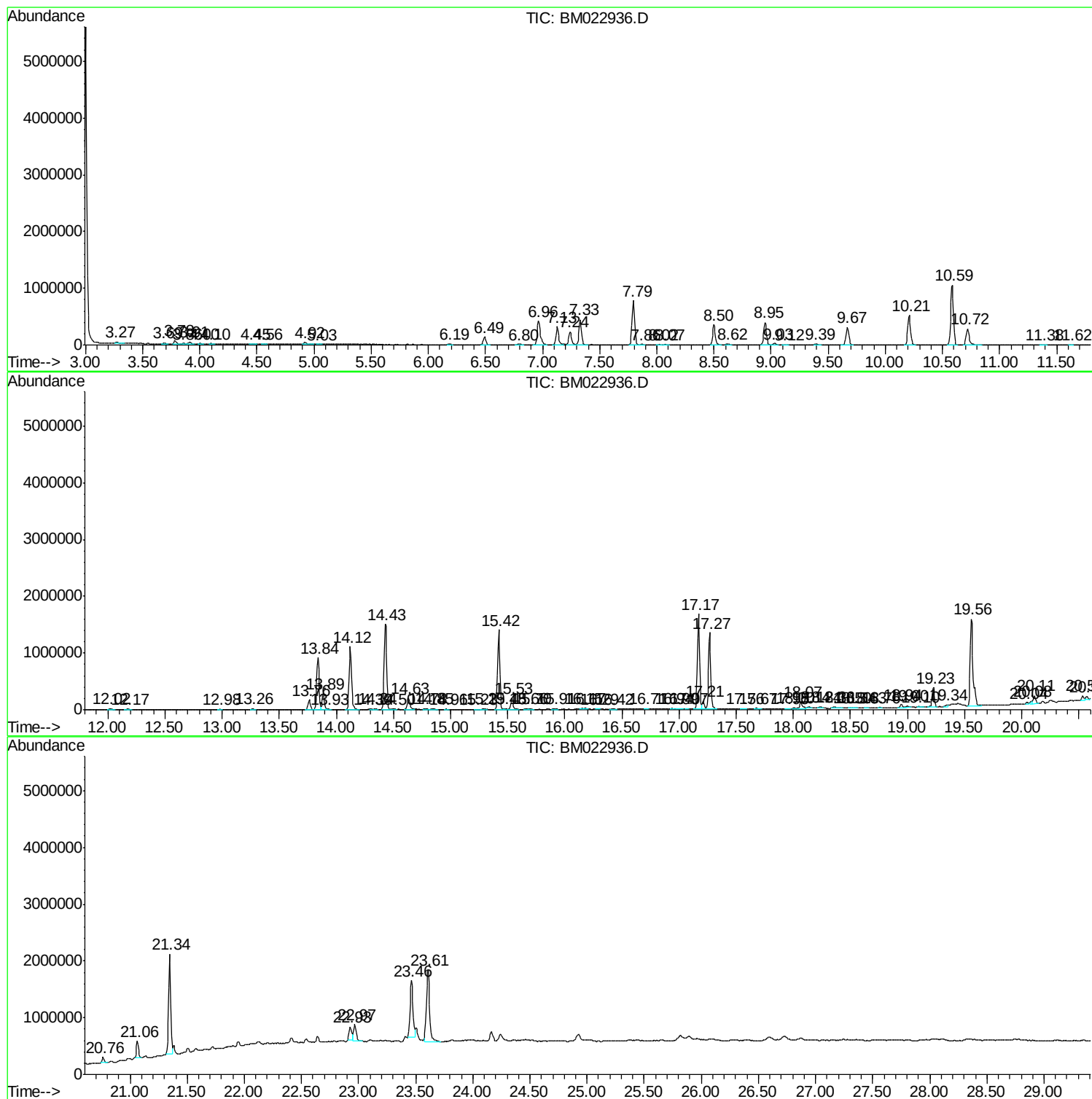
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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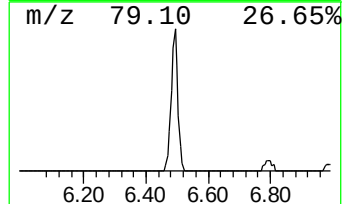
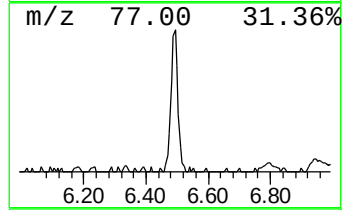
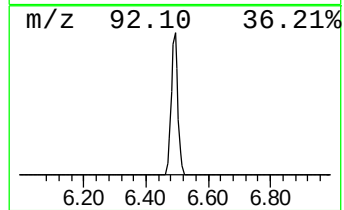
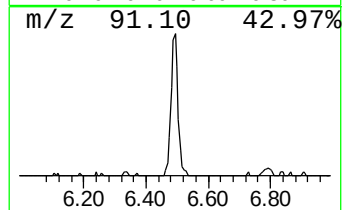
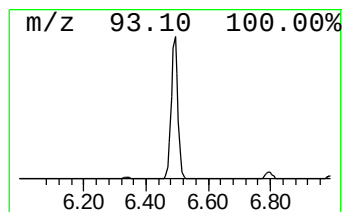
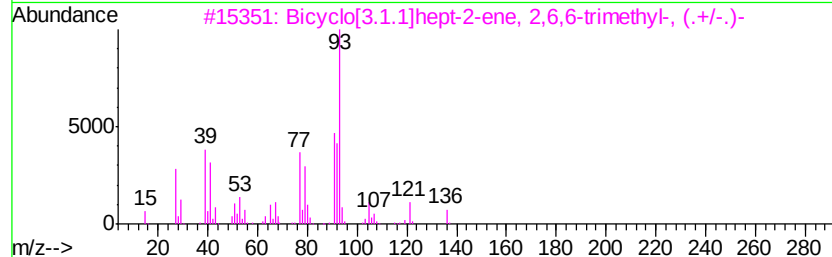
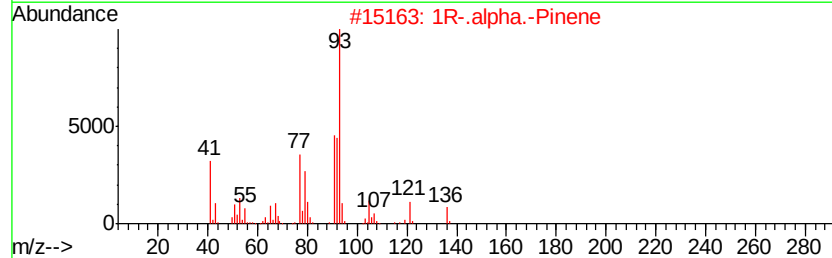
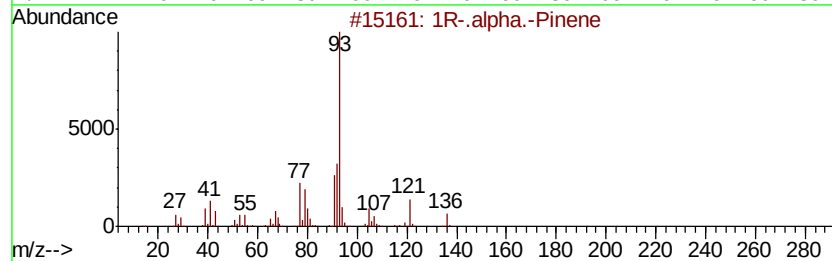
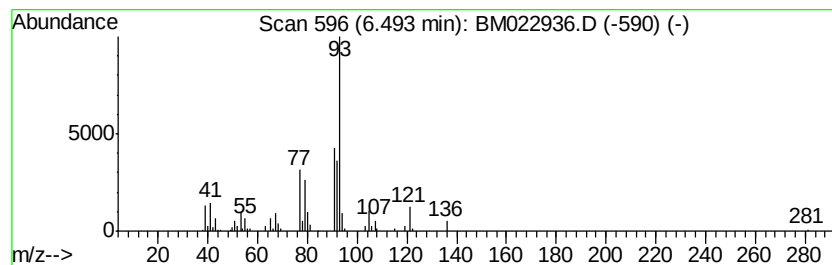
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1R-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	3.37 ng/ul	206293	1,4-Dichlorobenzene-d4	7.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1R-.alpha.-Pinene	136 C10H16	007785-70-8	96
2	1R-.alpha.-Pinene	136 C10H16	007785-70-8	95
3	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136 C10H16	002437-95-8	95
4	1S-.alpha.-Pinene	136 C10H16	007785-26-4	94
5	.alpha.-Pinene	136 C10H16	000080-56-8	94



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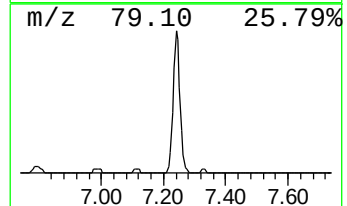
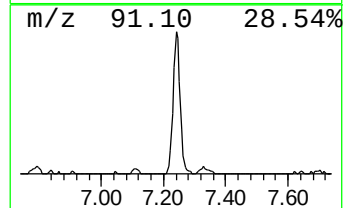
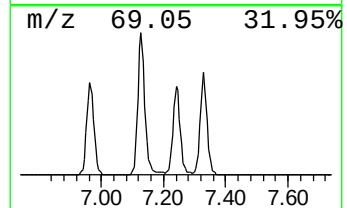
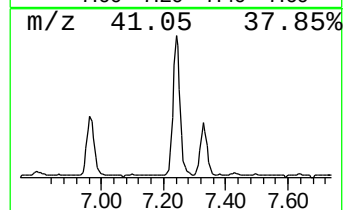
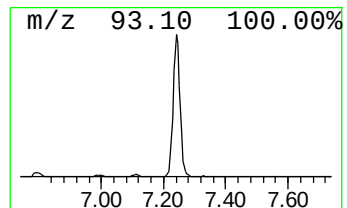
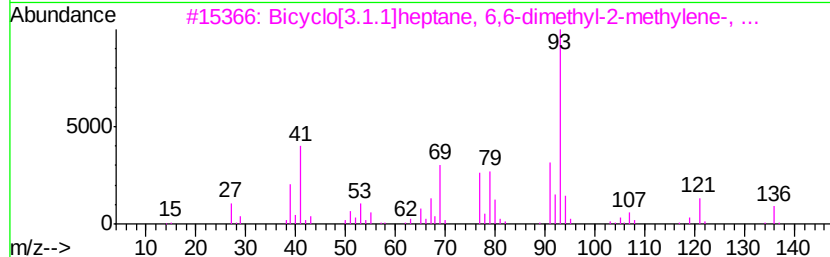
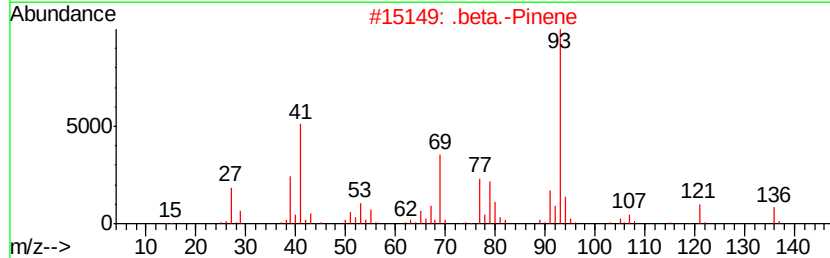
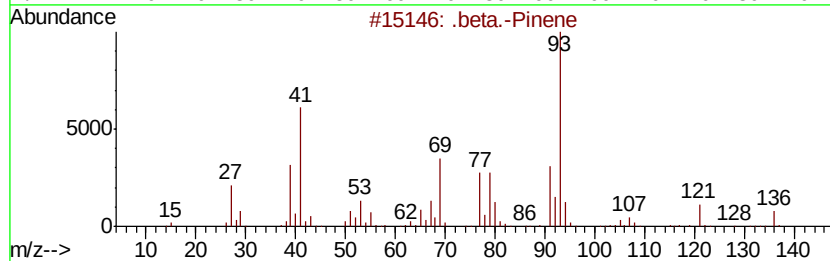
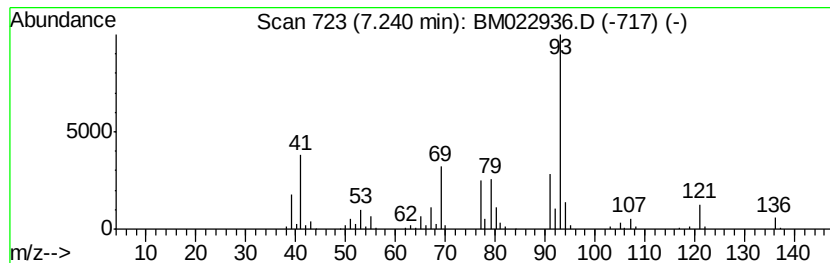
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.24	5.92 ng/ul	362489	1,4-Dichlorobenzene-d4	7.79		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Pinene	136	C10H16	000127-91-3	96
2		.beta.-Pinene	136	C10H16	000127-91-3	91
3		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
4		Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91



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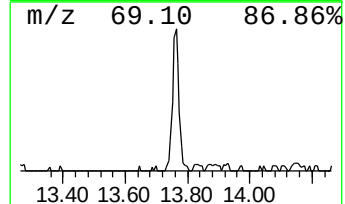
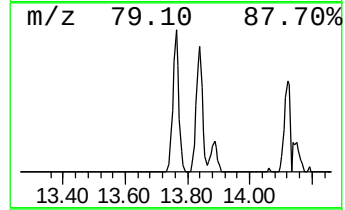
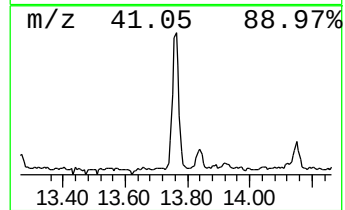
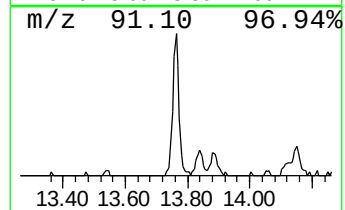
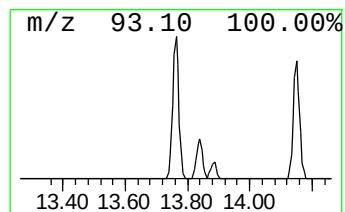
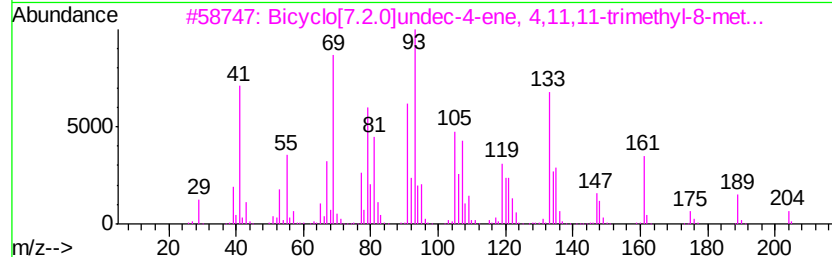
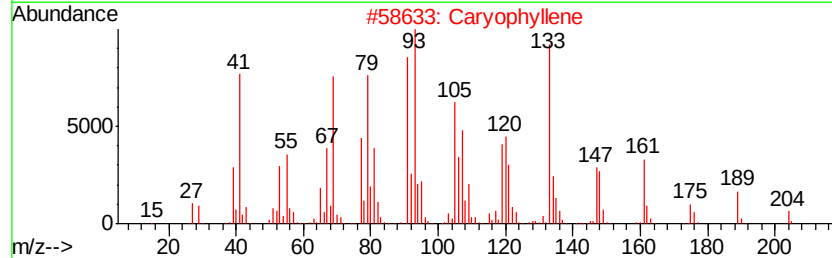
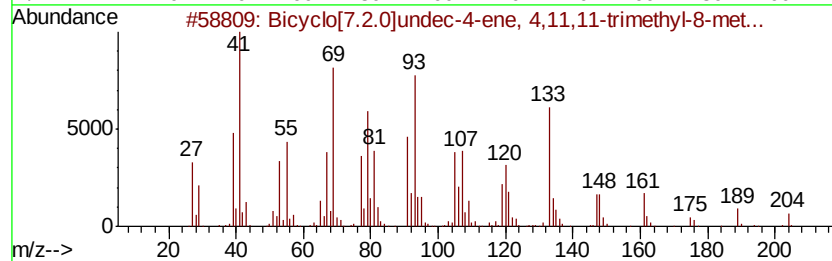
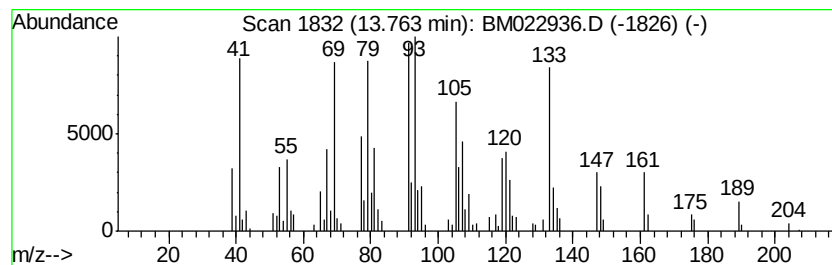
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Bicyclo[7.2.0]undec-4-ene, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.12 ng/ul	238732	Acenaphthene-d10	14.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	98
2		Carvophyllene	204	C15H24	000087-44-5	93
3		Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	93
4		Carvophyllene	204	C15H24	000087-44-5	93
5		Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	92



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Data File : BM022936.D
Acq On : 04 Oct 2019 01:14
Operator : JU
Sample : K4988-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNY8

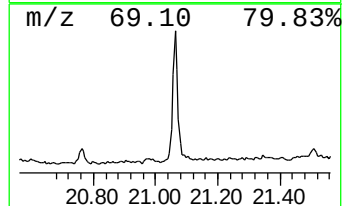
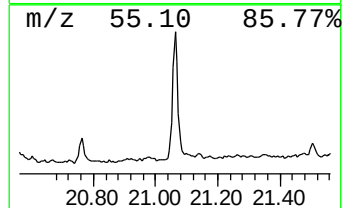
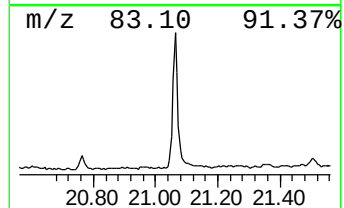
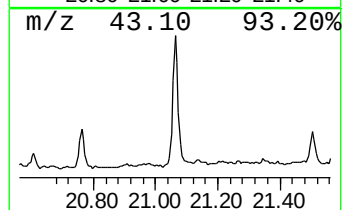
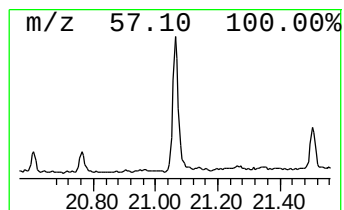
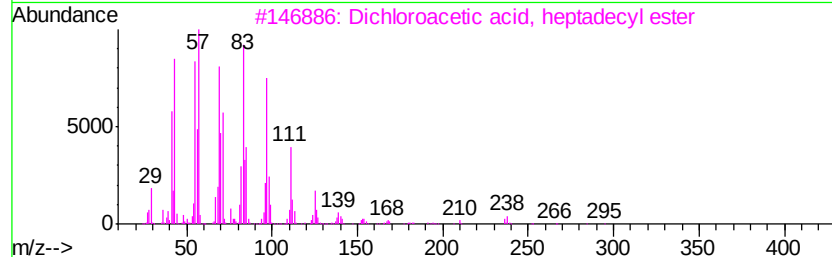
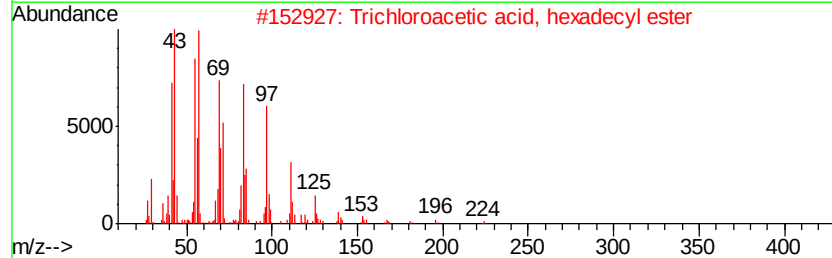
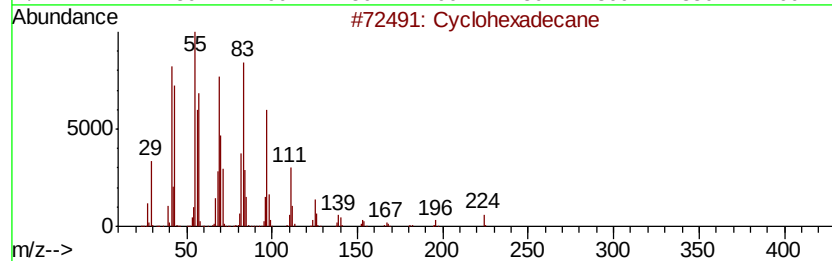
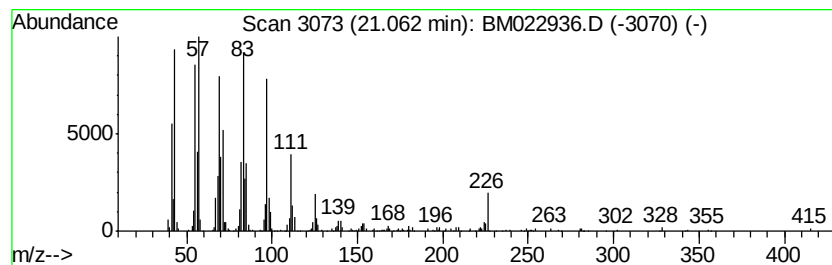
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic21.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.93 ng/ul	348543	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	94
2		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
4		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
5		Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNY8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1R-.alpha.-Pinene	6.49	3.4	ng/ul	206293	1	7.79	1225220	20.0
.beta.-Pinene	7.24	5.9	ng/ul	362489	1	7.79	1225220	20.0
Bicyclo[7.2.0]und...	13.76	2.1	ng/ul	238732	3	14.43	2255820	20.0
(DEL) Alkane: Cyc...	21.06	2.9	ng/ul	348543	5	21.34	2382720	20.0