

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
 Data File : BM001097.D
 Acq On : 21 Apr 2015 10:34
 Operator : TP/IZ
 Sample : G1859-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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:\HPCHEM1\BNA_M\Methods\SOM01.2-EPA-BM041515.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	2.775	10	15	36	rVB	2520834	3416128	100.00%	8.186%
2	3.563	146	149	153	rVB4	14662	20455	0.60%	0.049%
3	3.769	181	184	189	rVB3	15236	19478	0.57%	0.047%
4	4.681	334	339	346	rVB	64158	98460	2.88%	0.236%
5	4.940	379	383	389	rVB5	11211	12795	0.37%	0.031%
6	6.087	574	578	584	rBV4	14933	27054	0.79%	0.065%
7	6.257	603	607	611	rVB3	17554	26451	0.77%	0.063%
8	6.622	664	669	673	rVV6	6273	14501	0.42%	0.035%
9	6.757	680	692	703	rVV	583403	951319	27.85%	2.280%
10	6.875	706	712	714	rVV	63020	98232	2.88%	0.235%
11	6.910	714	718	728	rVV	454587	711619	20.83%	1.705%
12	7.004	730	734	739	rVV	46346	76840	2.25%	0.184%
13	7.104	745	751	759	rVV	579875	915866	26.81%	2.195%
14	7.192	762	766	773	rVB4	15910	27945	0.82%	0.067%
15	7.569	823	830	838	rVV	781391	1265739	37.05%	3.033%
16	7.704	849	853	859	rVB5	8625	15193	0.44%	0.036%
17	7.792	862	868	873	rBV3	60364	93252	2.73%	0.223%
18	8.245	938	945	947	rBV6	10806	20139	0.59%	0.048%
19	8.292	947	953	960	rBV	497190	793423	23.23%	1.901%
20	8.392	966	970	976	rVB2	37965	59031	1.73%	0.141%
21	8.728	1020	1027	1036	rBV	519324	823217	24.10%	1.973%
22	9.151	1095	1099	1102	rVV4	11822	15397	0.45%	0.037%
23	9.445	1143	1149	1162	rBV	416100	697324	20.41%	1.671%
24	9.986	1234	1241	1249	rVV	605730	1002235	29.34%	2.402%
25	10.139	1263	1267	1270	rBV2	15203	21681	0.63%	0.052%
26	10.357	1296	1304	1311	rBV	1037733	1731774	50.69%	4.150%
27	10.498	1321	1328	1341	rBV	352533	638021	18.68%	1.529%
28	11.957	1571	1576	1581	rBV5	9903	16818	0.49%	0.040%
29	12.574	1676	1681	1686	rBV2	37666	62243	1.82%	0.149%
30	12.833	1720	1725	1731	rVB	55543	81649	2.39%	0.196%
31	13.104	1767	1771	1775	rBV5	14326	22290	0.65%	0.053%
32	13.392	1815	1820	1822	rBV4	10206	13742	0.40%	0.033%
33	13.557	1841	1848	1854	rBV9	9480	20929	0.61%	0.050%
34	13.651	1858	1864	1868	rVV	953177	1316468	38.54%	3.155%

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35	13.692	1868	1871	1880	rVB	148448	215385	6.30%	0.516%
36	13.921	1899	1910	1920	rBV	955444	1454764	42.59%	3.486%
37	14.098	1931	1940	1944	rBV10	14396	33832	0.99%	0.081%
38	14.139	1944	1947	1953	rVB2	19615	25952	0.76%	0.062%
39	14.192	1953	1956	1957	rBV2	17900	17417	0.51%	0.042%
40	14.233	1957	1963	1970	rVV2	1322422	2062492	60.38%	4.943%
41	14.298	1970	1974	1978	rVB5	15873	19241	0.56%	0.046%
42	14.345	1978	1982	1988	rVB8	10721	21056	0.62%	0.050%
43	14.457	1992	2001	2012	rBV	350712	560053	16.39%	1.342%
44	14.598	2020	2025	2030	rBV3	33956	47817	1.40%	0.115%
45	14.668	2032	2037	2041	rBV4	59254	82770	2.42%	0.198%
46	15.098	2106	2110	2114	rBV2	35679	40752	1.19%	0.098%
47	15.151	2115	2119	2122	rVB5	18604	21816	0.64%	0.052%
48	15.233	2127	2133	2139	rBV	1124762	1569260	45.94%	3.761%
49	15.362	2149	2155	2164	rVB	278754	384624	11.26%	0.922%
50	15.474	2170	2174	2184	rVB3	90340	141846	4.15%	0.340%
51	15.621	2193	2199	2208	rVB	747678	961272	28.14%	2.304%
52	15.786	2224	2227	2236	rVB4	23256	40139	1.17%	0.096%
53	15.874	2241	2242	2249	rVV5	9469	12698	0.37%	0.030%
54	15.956	2253	2256	2260	rBV2	44437	63363	1.85%	0.152%
55	16.086	2274	2278	2279	rBV4	13490	13957	0.41%	0.033%
56	16.145	2285	2288	2292	rVB6	10571	13494	0.40%	0.032%
57	16.474	2341	2344	2348	rVB6	9242	13005	0.38%	0.031%
58	16.533	2350	2354	2357	rVV4	30347	36929	1.08%	0.088%
59	16.692	2378	2381	2386	rBV7	18762	25569	0.75%	0.061%
60	16.751	2387	2391	2396	rVV2	45802	66830	1.96%	0.160%
61	16.798	2396	2399	2404	rVB7	19649	32272	0.94%	0.077%
62	16.892	2412	2415	2422	rBV6	11534	17843	0.52%	0.043%
63	16.986	2422	2431	2436	rBV2	1615253	2304100	67.45%	5.522%
64	17.080	2441	2447	2459	rVV	1066825	1497349	43.83%	3.588%
65	17.174	2462	2463	2468	rVB5	10387	12806	0.37%	0.031%
66	17.486	2512	2516	2522	rBV2	34765	53426	1.56%	0.128%
67	17.774	2554	2565	2570	rBV8	36779	91796	2.69%	0.220%
68	17.827	2570	2574	2578	rBV6	18960	31803	0.93%	0.076%
69	17.886	2579	2584	2593	rBV	238926	378952	11.09%	0.908%
70	18.056	2609	2613	2617	rVB7	10153	15720	0.46%	0.038%
71	18.180	2632	2634	2638	rVB4	12051	12629	0.37%	0.030%

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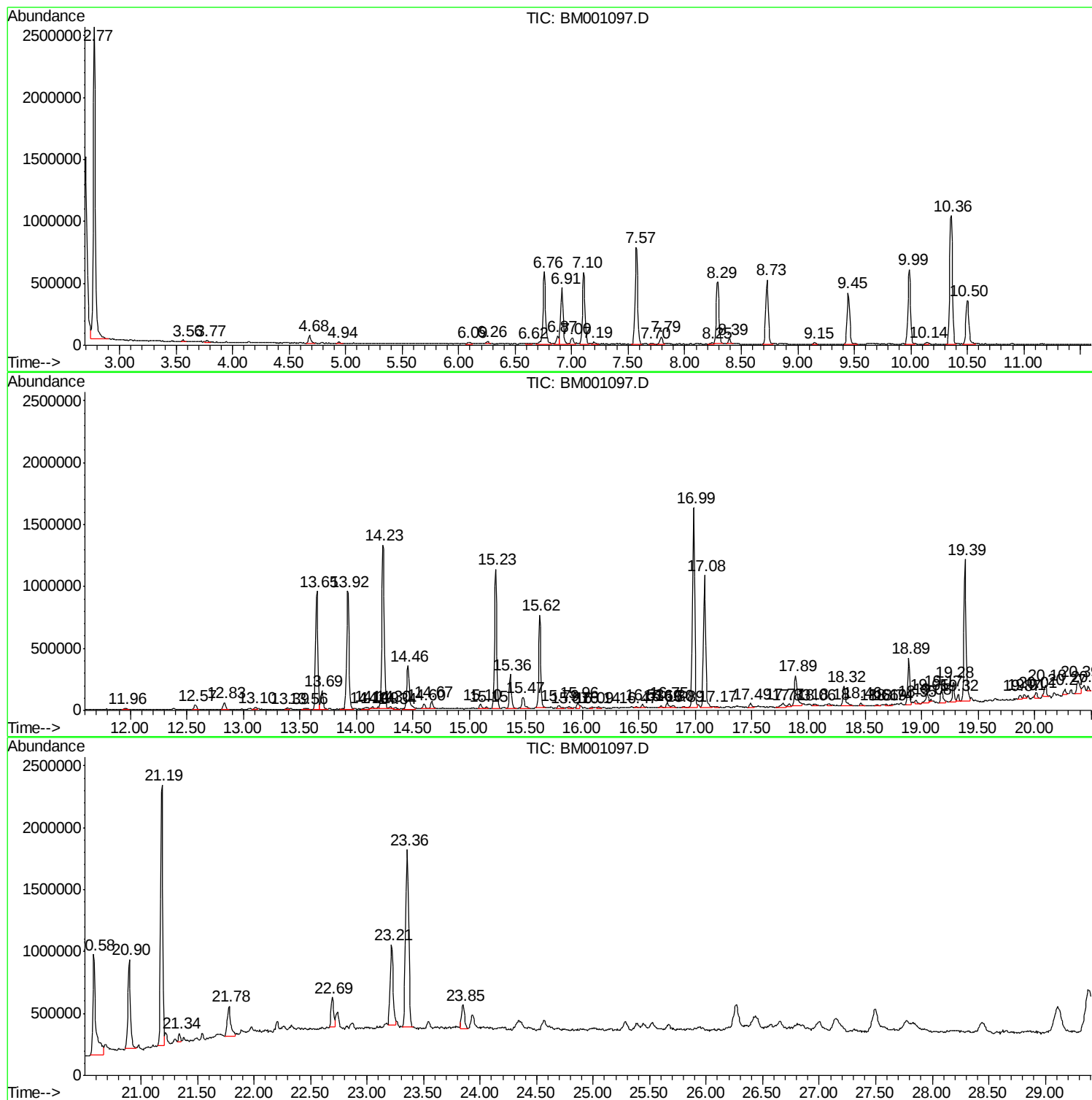
72	18.315	2652	2657	2670	rBV2	159665	259842	7.61%	0.623%
73	18.462	2679	2682	2688	rVB5	23906	31136	0.91%	0.075%
74	18.609	2703	2707	2711	rVB7	11459	16266	0.48%	0.039%
75	18.686	2718	2720	2724	rVB5	13795	15450	0.45%	0.037%
76	18.739	2726	2729	2730	rBV3	14019	13999	0.41%	0.034%
77	18.886	2749	2754	2758	rBV2	376364	466435	13.65%	1.118%
78	18.950	2763	2765	2772	rVB8	28146	37795	1.11%	0.091%
79	19.050	2774	2782	2785	rBV2	74873	134282	3.93%	0.322%
80	19.080	2785	2787	2789	rVB3	18381	15326	0.45%	0.037%
81	19.174	2800	2803	2810	rBV3	98340	153430	4.49%	0.368%
82	19.280	2816	2821	2826	rBV2	160426	213147	6.24%	0.511%
83	19.321	2826	2828	2832	rVB3	53778	59424	1.74%	0.142%
84	19.386	2833	2839	2847	rBV	1142057	1571455	46.00%	3.766%
85	19.868	2918	2921	2925	rBV6	36544	58358	1.71%	0.140%
86	19.909	2925	2928	2932	rVV6	30067	41124	1.20%	0.099%
87	20.009	2943	2945	2950	rVB4	45466	61533	1.80%	0.147%
88	20.097	2956	2960	2965	rVB3	92699	115768	3.39%	0.277%
89	20.268	2986	2989	2993	rBV5	38087	43776	1.28%	0.105%
90	20.386	3004	3009	3014	rBV7	103294	208999	6.12%	0.501%
91	20.474	3022	3024	3028	rVB5	37597	38862	1.14%	0.093%
92	20.580	3038	3042	3057	rBV	812357	1527637	44.72%	3.661%
93	20.897	3090	3096	3106	rBV2	715156	1118900	32.75%	2.681%
94	21.186	3139	3145	3149	rBV	2108054	2778818	81.34%	6.659%
95	21.338	3168	3171	3174	rBV2	71503	81498	2.39%	0.195%
96	21.780	3240	3246	3255	rBV3	243871	526017	15.40%	1.261%
97	22.691	3397	3401	3405	rBV2	241373	378299	11.07%	0.907%
98	23.215	3485	3490	3497	rBV2	645718	1188463	34.79%	2.848%
99	23.356	3507	3514	3522	rVB	1428808	2689575	78.73%	6.445%
100	23.850	3594	3598	3605	rVB	196887	361009	10.57%	0.865%

Sum of corrected areas: 41729360

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Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M
Quant Title : SVOA CALIBRATION

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



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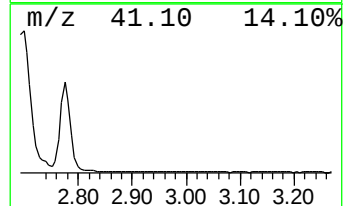
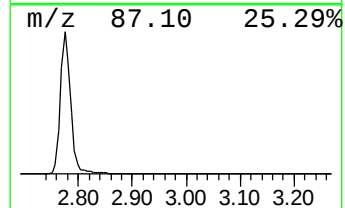
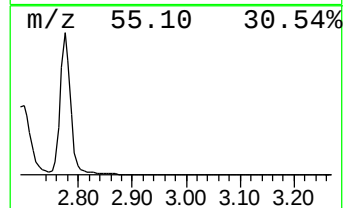
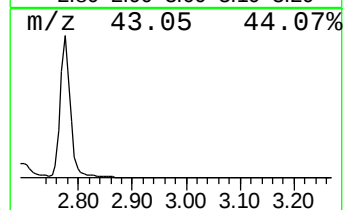
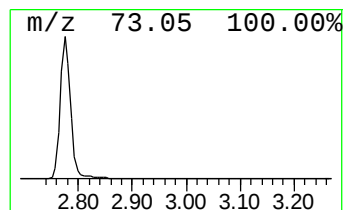
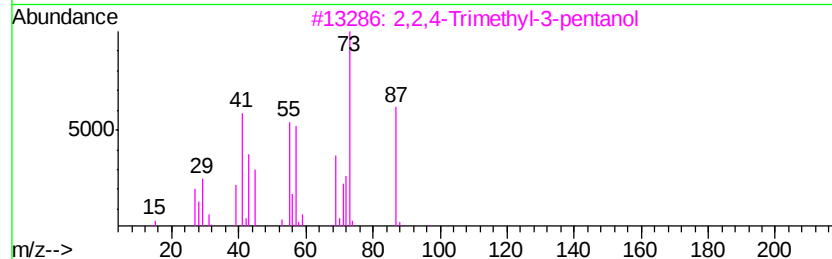
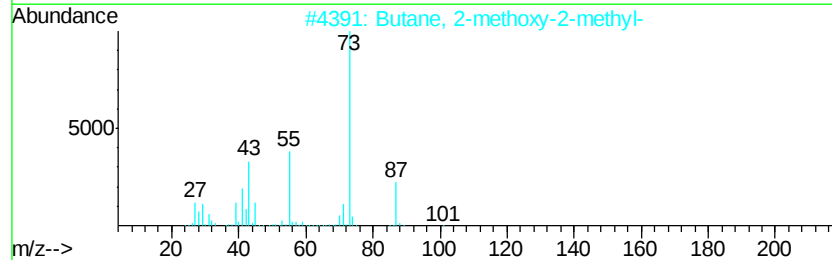
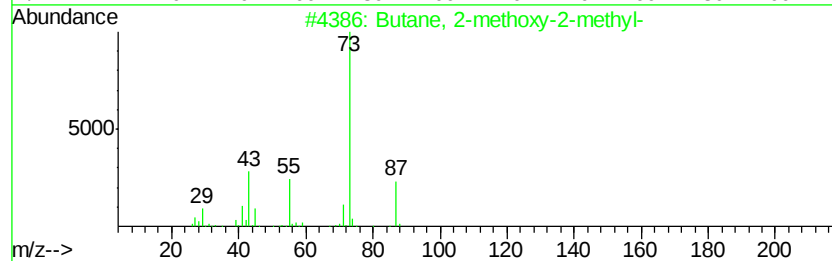
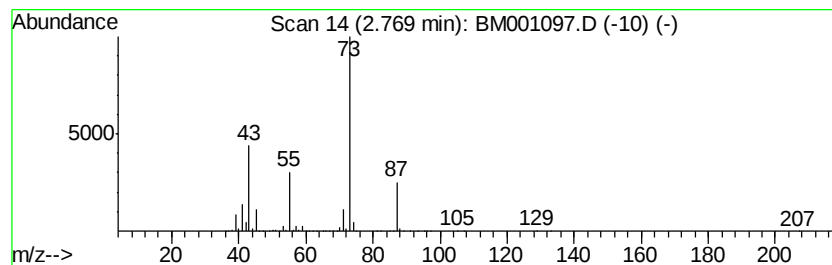
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	53.98 ng/ul	3416130	1,4-Dichlorobenzene-d4	7.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38



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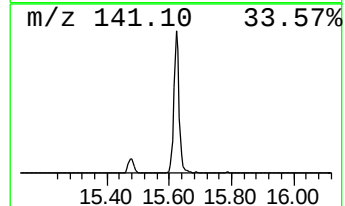
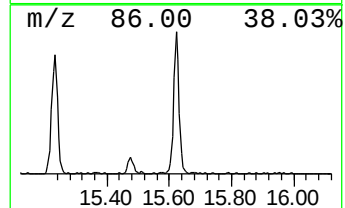
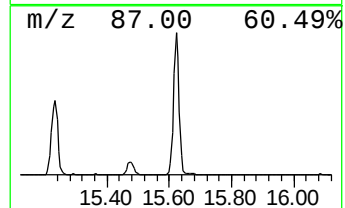
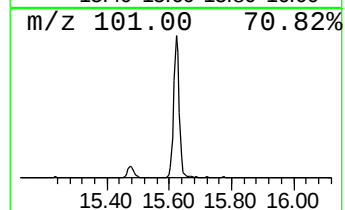
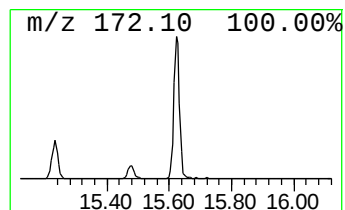
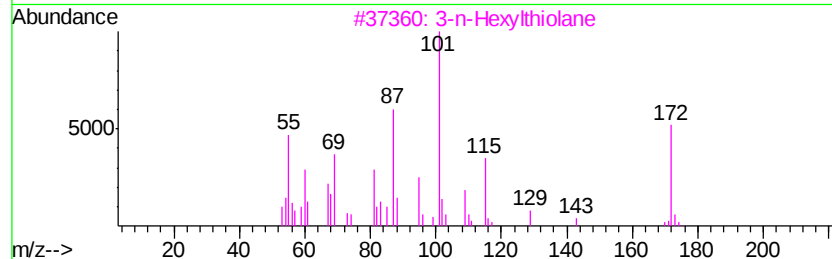
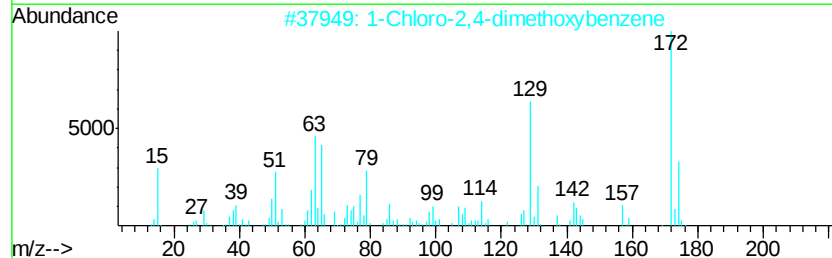
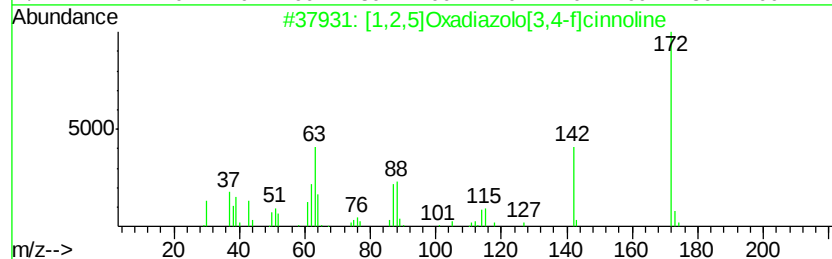
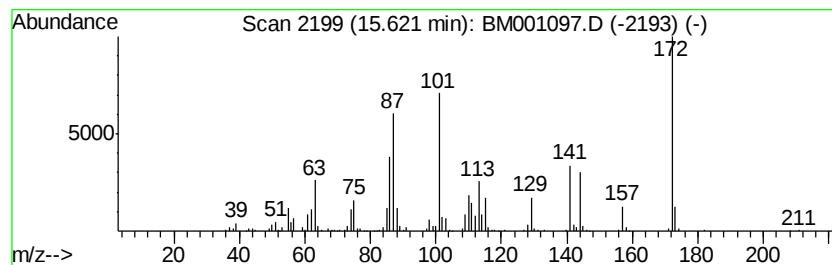
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	8.34 ng/ul	961272	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,2,5]Oxadiazolo[3,4-f]cinnoline	172	C8H4N4O	217491-04-8	35
2		1-Chloro-2,4-dimethoxybenzene	172	C8H9ClO2	007051-13-0	35
3		3-n-Hexylthiolane	172	C10H20S	001613-50-9	32
4		peri-Naphtho-1,3-dioxin	172	C11H8O2	000204-11-5	22
5		5-(4-Hydroxyphenyl)pyrimidine	172	C10H8N2O	069491-51-6	14



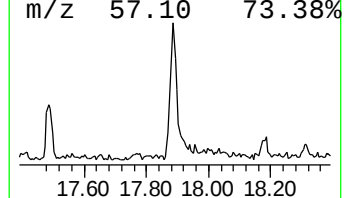
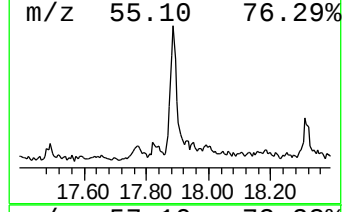
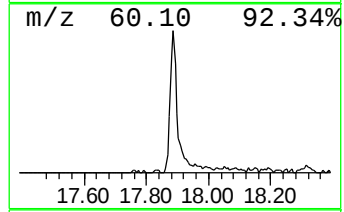
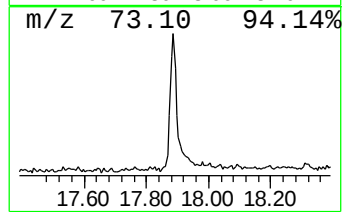
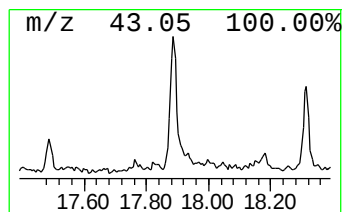
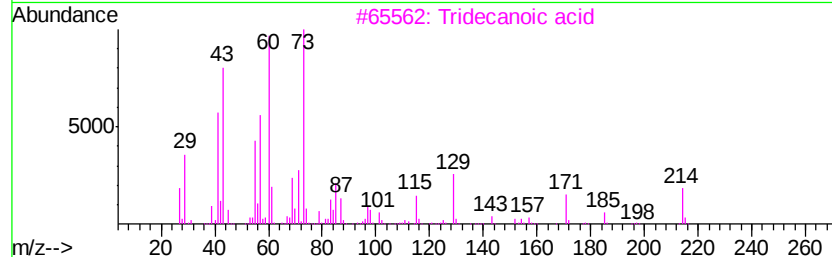
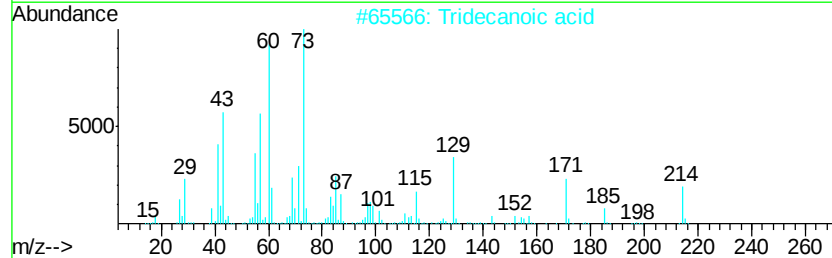
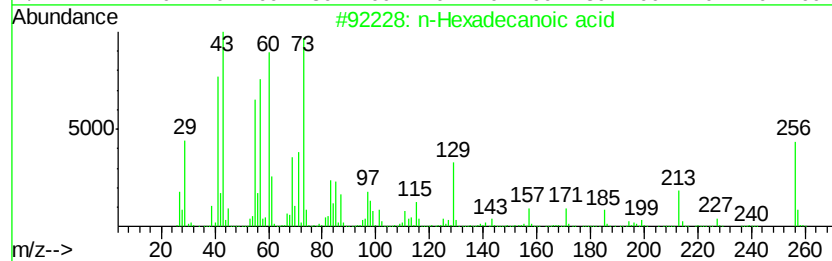
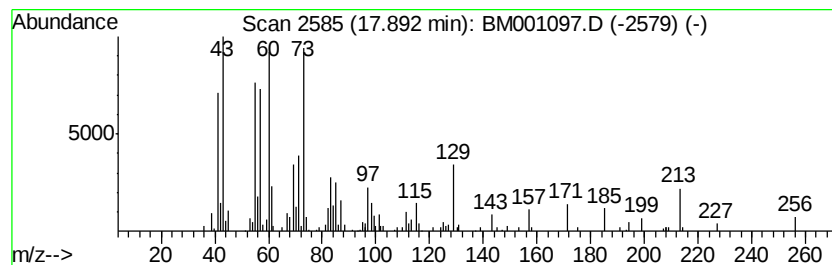
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.89	3.29 ng/ul	378952	Phenanthrene-d10	16.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
2	Tridecanoic acid	214	C13H26O2	000638-53-9	87	
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81	
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80	
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74	



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Misc :
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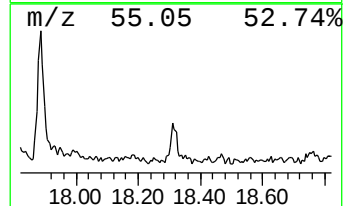
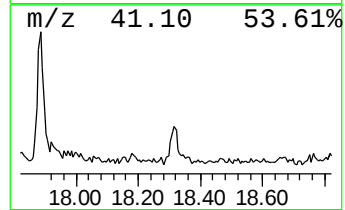
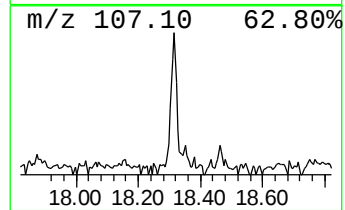
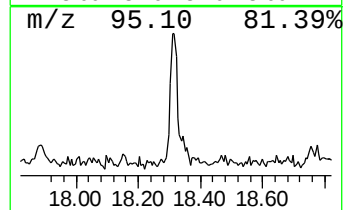
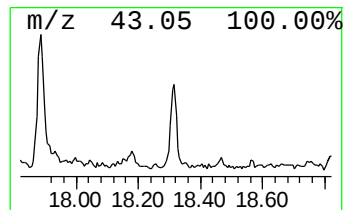
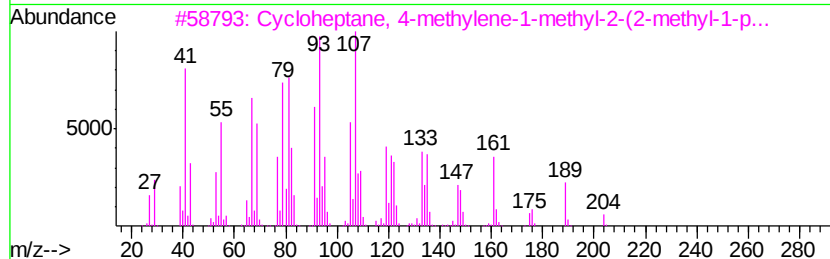
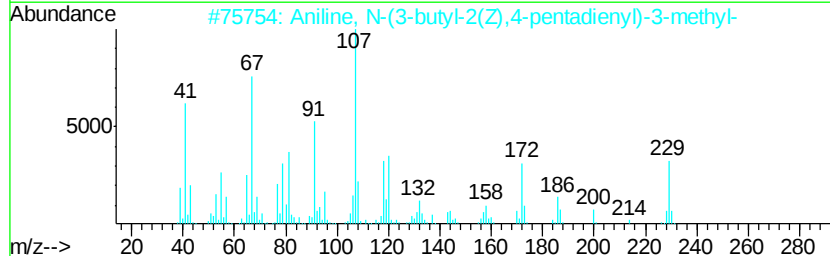
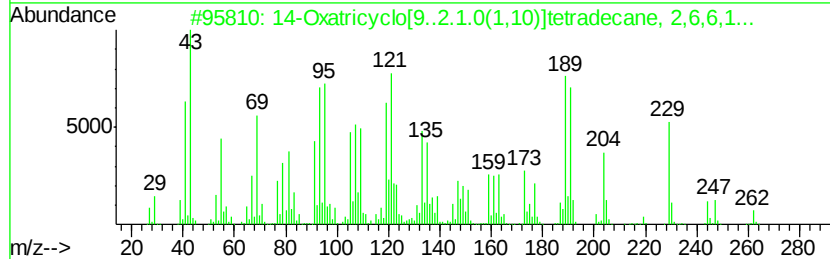
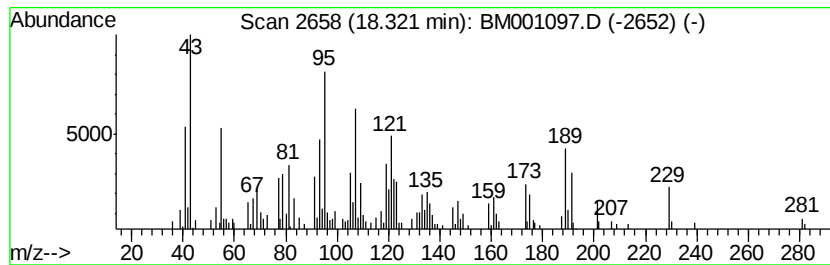
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	2.26 ng/ul	259842	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	14-Oxatricyclo[9..2.1.0(1,10)]te...	262	C18H30O	1000193-06-8	46
2		Aniline, N-(3-butyl-2(Z),4-penta...	229	C16H23N	1000142-27-8	18
3		Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	14
4		1,6-Dimethylhepta-1,3,5-triene	122	C9H14	1000196-61-0	11
5		Phenol, 2-ethyl-	122	C8H10O	000090-00-6	11



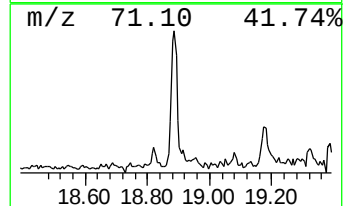
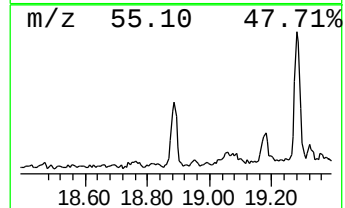
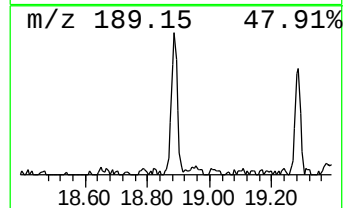
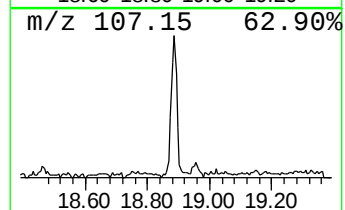
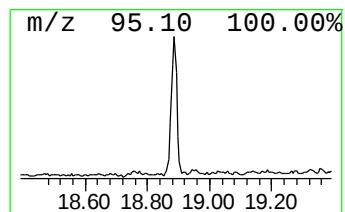
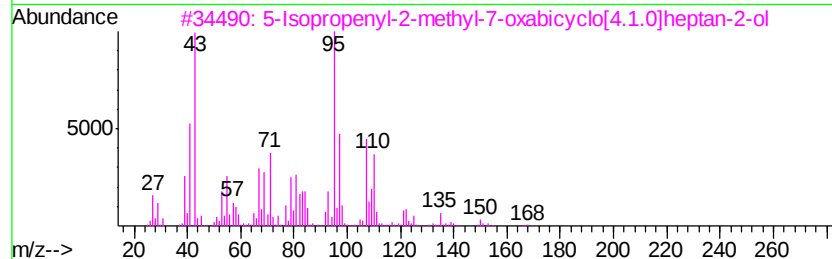
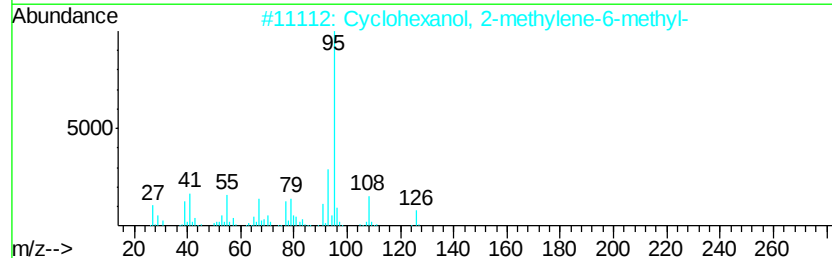
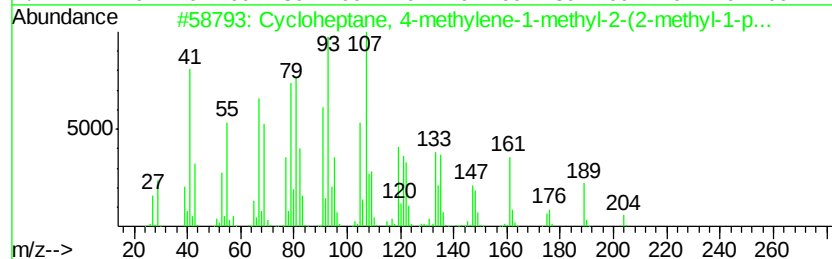
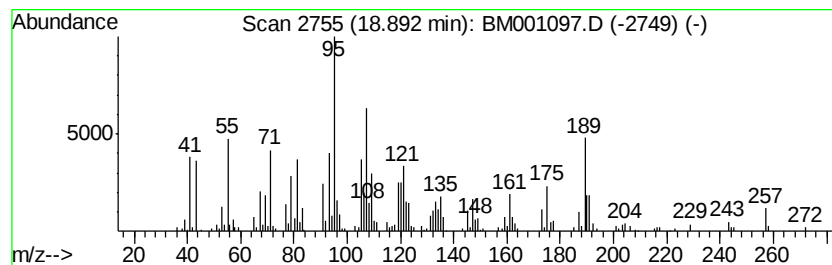
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Data File : BM001097.D
Acq On : 21 Apr 2015 10:34
Operator : TP/IZ
Sample : G1859-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.89	4.05 ng/ul	466435	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvcloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	47
2	Cvclohexanol, 2-methylene-6-methyl-	126	C8H14O	1000196-32-3	27
3	5-Isopropenvl-2-methyl-7-oxabicy...	168	C10H16O2	1000185-00-9	27
4	.beta.-Humulene	204	C15H24	000116-04-1	27
5	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
Data File : BM001097.D
Acq On : 21 Apr 2015 10:34
Operator : TP/IZ
Sample : G1859-15
Misc :
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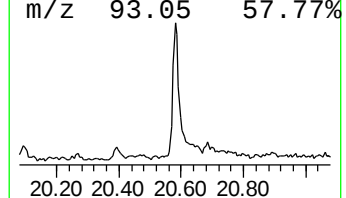
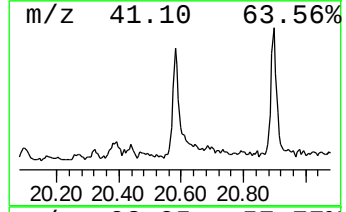
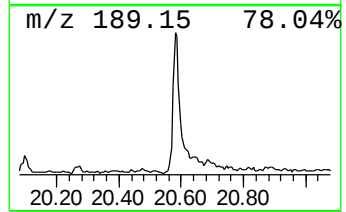
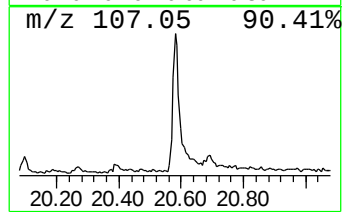
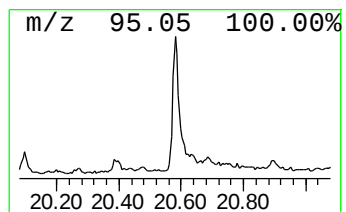
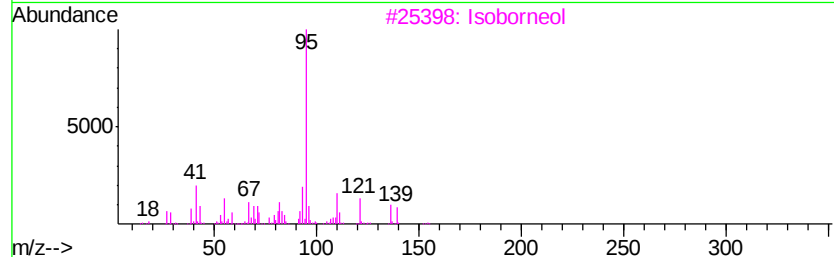
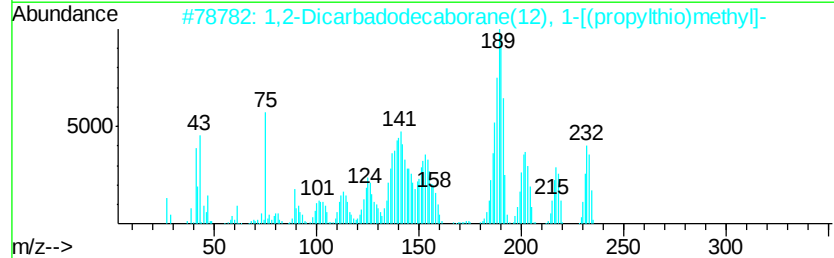
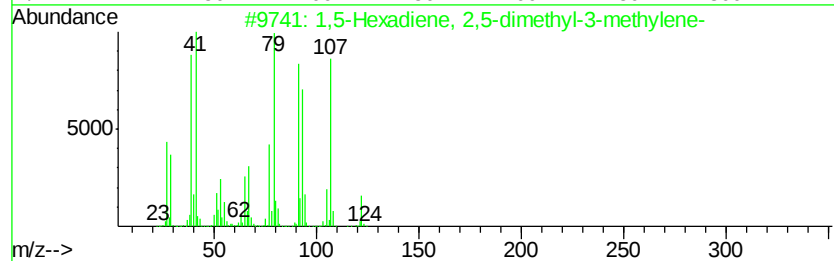
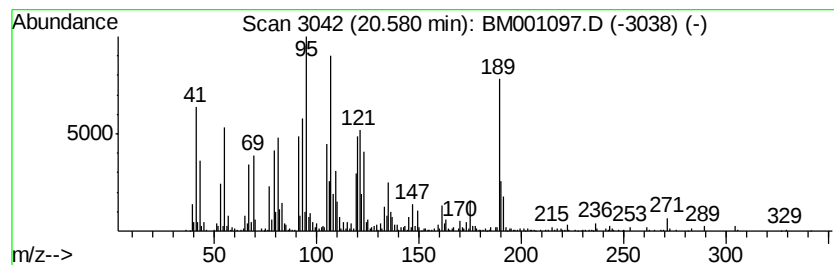
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	10.99 ng/ul	1527640	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,5-Hexadiene, 2,5-dimethyl-3-methyl-	122	C9H14	059131-13-4	25
2		1,2-Dicarbadodecaborane(12), 1-[(propylthio)methyl]-	234	C6H20B10S	062906-36-9	25
3		Isoborneol	154	C10H18O	000124-76-5	15
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	11
5		5-Octen-2-yn-4-ol	124	C8H12O	1000196-87-1	11



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
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Acq On : 21 Apr 2015 10:34
Operator : TP/IZ
Sample : G1859-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

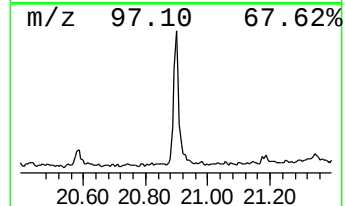
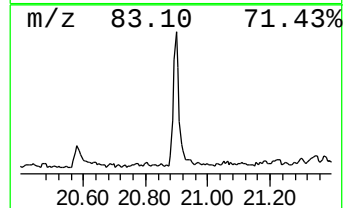
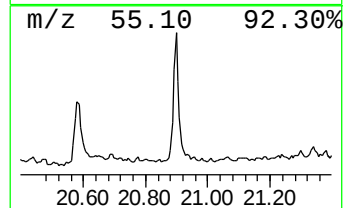
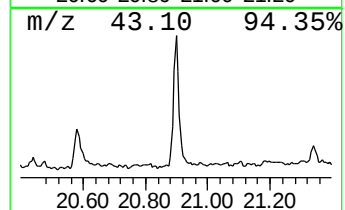
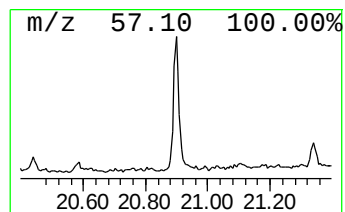
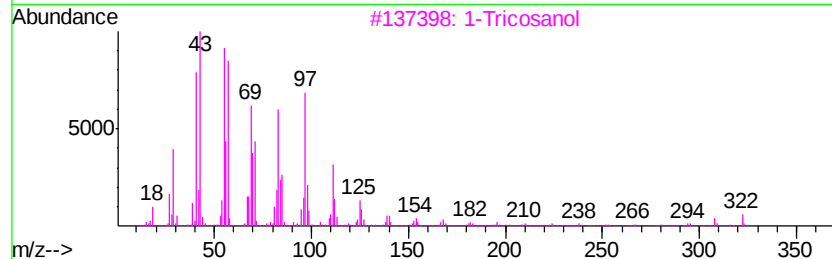
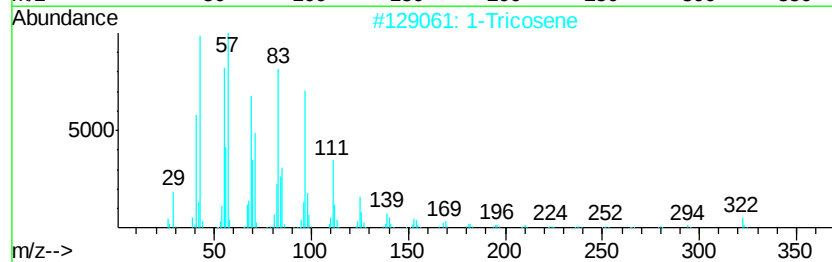
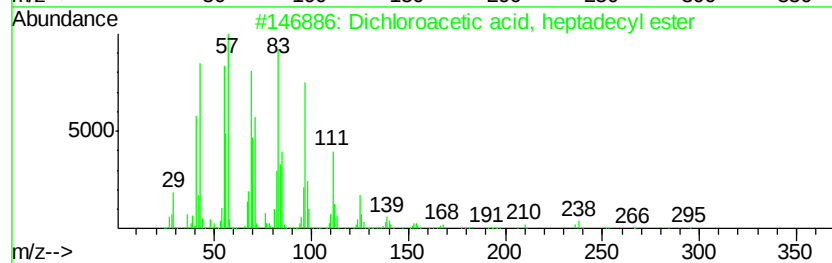
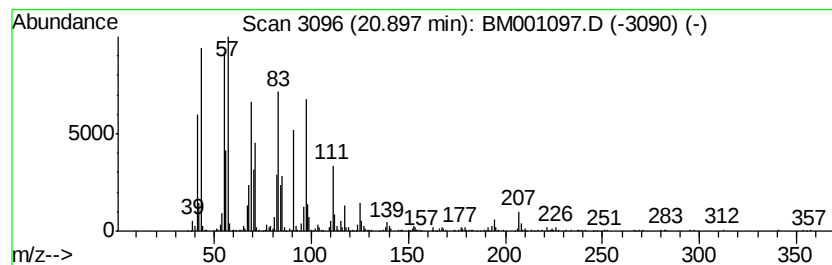
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Dichloroacetic acid, heptad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	8.05 ng/ul	1118900	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
2		1-Tricosene	322	C23H46	018835-32-0	90
3		1-Tricosanol	340	C23H48O	003133-01-5	90
4		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	90
5		Cyclotetracosane	336	C24H48	000297-03-0	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
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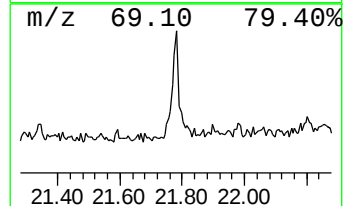
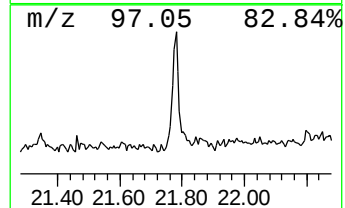
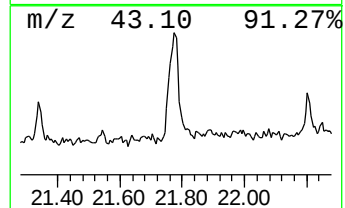
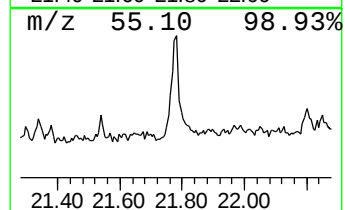
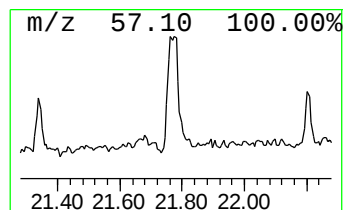
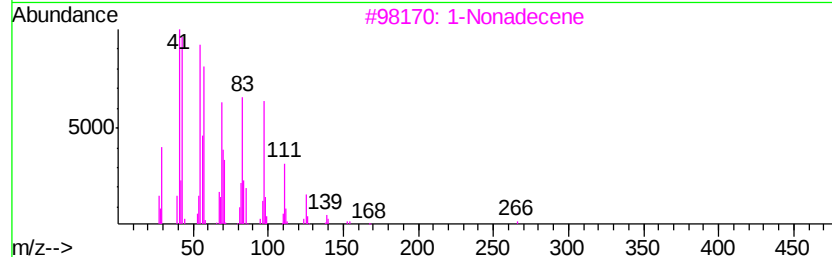
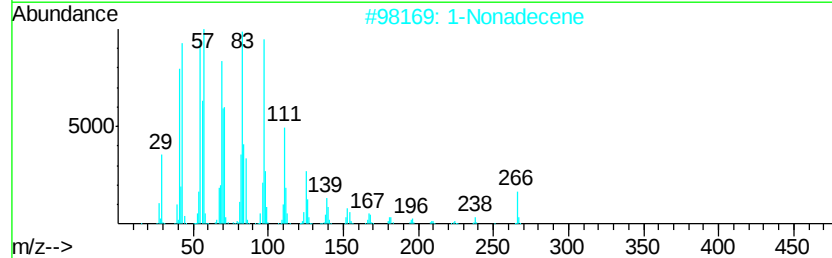
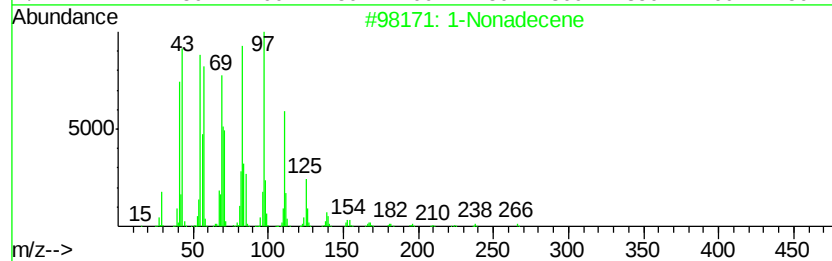
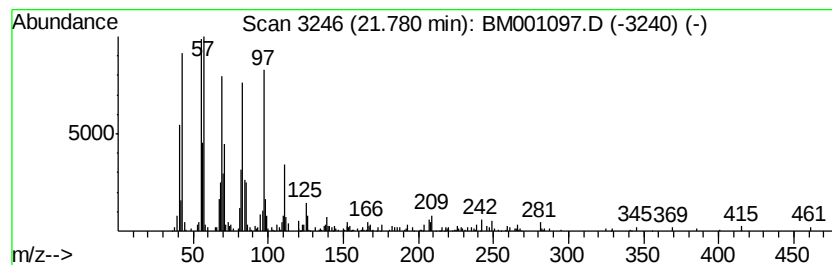
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chain Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	3.79 ng/ul	526017	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonadecene	266	C19H38	018435-45-5	94
2		1-Nonadecene	266	C19H38	018435-45-5	89
3		1-Nonadecene	266	C19H38	018435-45-5	83
4		1-Tricosene	322	C23H46	018835-32-0	76
5		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
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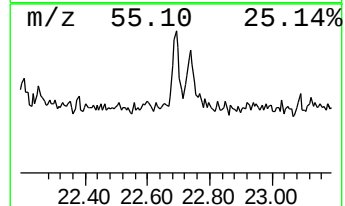
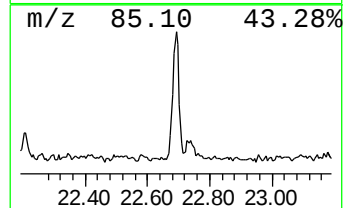
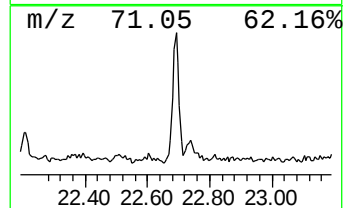
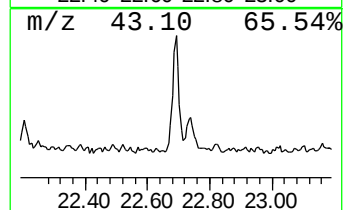
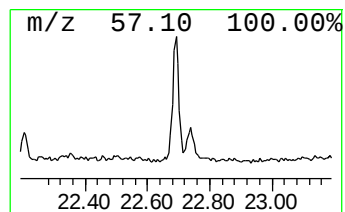
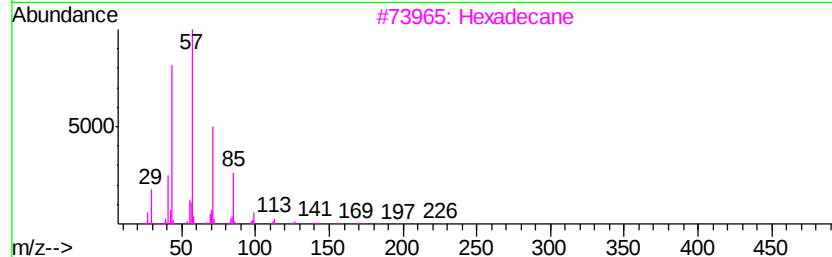
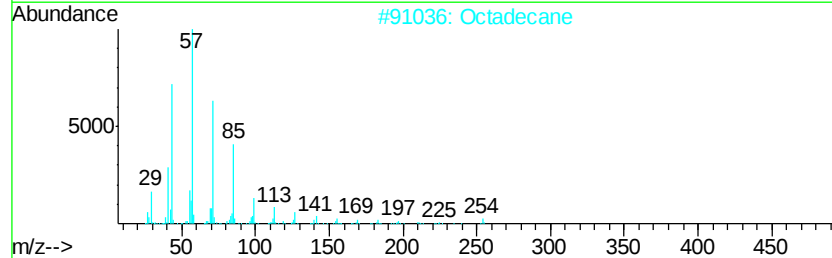
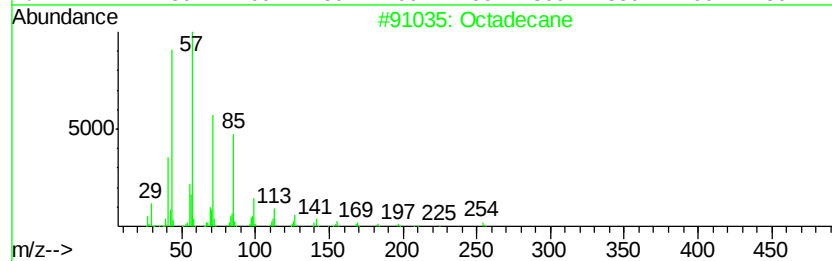
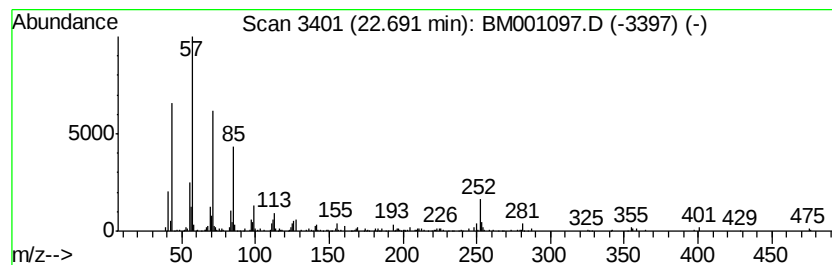
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	2.81 ng/ul	378299	Perylene-d12	23.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	98
2		Octadecane	254	C18H38	000593-45-3	97
3		Hexadecane	226	C16H34	000544-76-3	94
4		Hexadecane	226	C16H34	000544-76-3	94
5		Octadecane	254	C18H38	000593-45-3	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\
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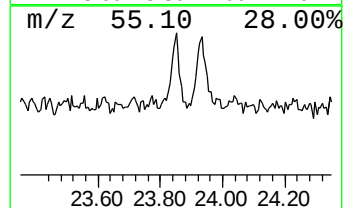
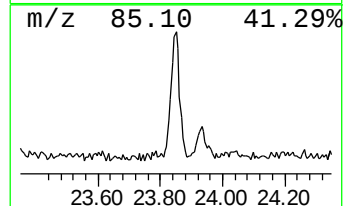
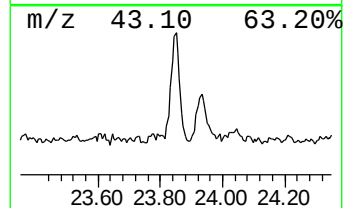
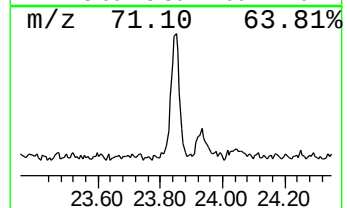
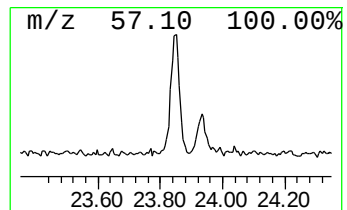
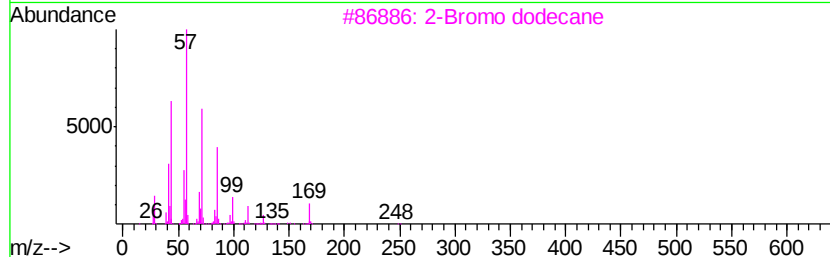
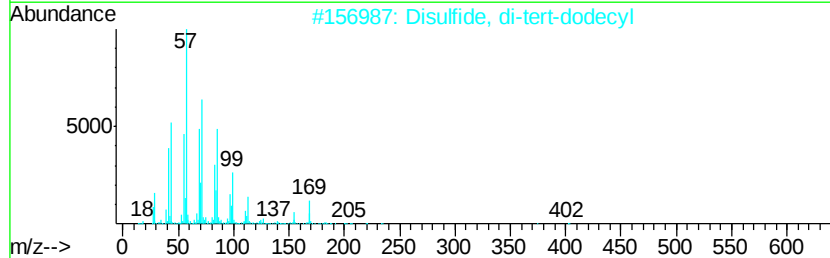
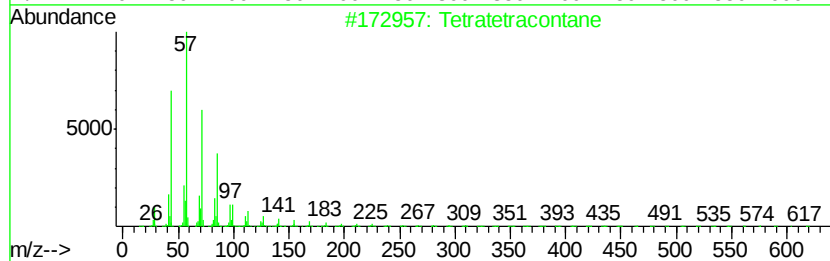
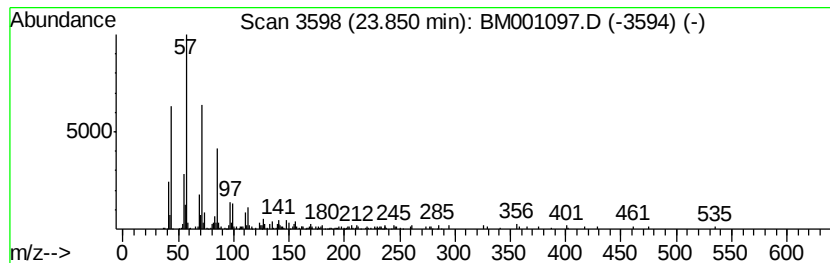
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chain Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	2.68 ng/ul	361009	Perylene-d12	23.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratetracontane	619	C44H90	007098-22-8	74
2			Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	74
3			2-Bromo dodecane	248	C12H25Br	013187-99-0	74
4			Hexatriacontane	507	C36H74	000630-06-8	72
5			Docosane, 1,22-dibromo-	466	C22H44Br2	034540-49-3	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042015\
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Acq On : 21 Apr 2015 10:34
Operator : TP/IZ
Sample : G1859-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM01.2-EPA-BM041515.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
Butane, 2-methoxy...	2.77	54.0	ng/ul	3416130	1	7.57	1265740	20.0
unknown-01	15.62	8.3	ng/ul	961272	4	16.99	2304100	20.0
n-Hexadecanoic acid	17.89	3.3	ng/ul	378952	4	16.99	2304100	20.0
unknown-02	18.32	2.3	ng/ul	259842	4	16.99	2304100	20.0
unknown-03	18.89	4.0	ng/ul	466435	4	16.99	2304100	20.0
unknown-04	20.58	11.0	ng/ul	1527640	5	21.19	2778820	20.0
Dichloroacetic ac...	20.90	8.1	ng/ul	1118900	5	21.19	2778820	20.0
(DEL) Alkane: Str...	21.78	3.8	ng/ul	526017	5	21.19	2778820	20.0
(DEL) Alkane: Str...	22.69	2.8	ng/ul	378299	6	23.36	2689580	20.0
(DEL) Alkane: Str...	23.85	2.7	ng/ul	361009	6	23.36	2689580	20.0