

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002118.D
 Acq On : 29 Jul 2015 06:29
 Operator : TP/UM
 Sample : G3030-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F1

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\SOM02.2-EPA-BM072715.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	6.275	606	610	615	rBB	12943	17367	0.75%	0.054%
2	6.781	690	696	709	rVB	156791	252411	10.85%	0.785%
3	6.893	710	715	719	rBV	63171	96898	4.17%	0.301%
4	6.940	719	723	728	rVV	110318	164664	7.08%	0.512%
5	7.134	750	756	763	rBB	162731	249290	10.72%	0.776%
6	7.240	770	774	780	rVB	23584	33579	1.44%	0.104%
7	7.598	829	835	842	rVB	261105	399164	17.16%	1.242%
8	8.316	951	957	965	rBV	185078	286936	12.34%	0.893%
9	8.757	1026	1032	1040	rBV	141353	223388	9.61%	0.695%
10	9.475	1149	1154	1161	rBV	107599	173595	7.46%	0.540%
11	10.016	1240	1246	1257	rBB	208426	341480	14.68%	1.062%
12	10.386	1302	1309	1315	rBV	352608	569036	24.47%	1.770%
13	10.533	1328	1334	1342	rVV	142950	237779	10.22%	0.740%
14	12.798	1711	1719	1724	rBV	115342	173520	7.46%	0.540%
15	12.851	1724	1728	1734	rVB	10581	16890	0.73%	0.053%
16	13.574	1847	1851	1858	rBV5	10642	17831	0.77%	0.055%
17	13.674	1863	1868	1872	rVV	370956	498920	21.45%	1.552%
18	13.721	1872	1876	1883	rVB	163044	233489	10.04%	0.726%
19	13.951	1909	1915	1928	rVB	373601	590421	25.39%	1.837%
20	14.263	1961	1968	1975	rVB2	529888	807825	34.74%	2.513%
21	14.327	1975	1979	1982	rBV	40331	64943	2.79%	0.202%
22	14.486	2000	2006	2016	rBV	123205	197448	8.49%	0.614%
23	14.663	2028	2036	2046	rVV	30381	59519	2.56%	0.185%
24	15.116	2106	2113	2117	rVB5	12550	18571	0.80%	0.058%
25	15.257	2131	2137	2143	rBV	502939	688527	29.61%	2.142%
26	15.316	2143	2147	2157	rVB	54060	78893	3.39%	0.245%
27	15.398	2157	2161	2165	rBV	33314	48491	2.09%	0.151%
28	15.515	2176	2181	2186	rVV3	24347	38695	1.66%	0.120%
29	15.610	2193	2197	2204	rBV	13515	21743	0.93%	0.068%
30	15.757	2218	2222	2228	rVB2	11130	21066	0.91%	0.066%
31	15.998	2255	2263	2268	rBV	53113	102866	4.42%	0.320%
32	16.315	2314	2317	2321	rVV4	15606	17977	0.77%	0.056%
33	16.545	2349	2356	2359	rBV6	26821	44724	1.92%	0.139%
34	16.586	2359	2363	2367	rVB6	12169	16448	0.71%	0.051%

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35	16.668	2373	2377	2383	rVB	21688	35714	1.54%	0.111%
36	16.739	2383	2389	2391	rBV7	11942	19628	0.84%	0.061%
37	16.768	2391	2394	2398	rVV2	36522	51657	2.22%	0.161%
38	16.821	2398	2403	2411	rVV2	56218	106620	4.58%	0.332%
39	17.009	2429	2435	2439	rBV	721390	1065176	45.80%	3.314%
40	17.057	2439	2443	2447	rVV	589312	832628	35.80%	2.590%
41	17.110	2447	2452	2456	rVV2	580911	842578	36.23%	2.621%
42	17.145	2456	2458	2462	rVV	171101	188701	8.11%	0.587%
43	17.192	2462	2466	2473	rVB4	30197	50667	2.18%	0.158%
44	17.421	2501	2505	2510	rVB	56121	75784	3.26%	0.236%
45	17.615	2531	2538	2543	rVB2	60086	121877	5.24%	0.379%
46	17.727	2553	2557	2563	rVB3	41070	62180	2.67%	0.193%
47	17.804	2567	2570	2576	rVB2	33107	41800	1.80%	0.130%
48	17.886	2577	2584	2585	rVV	63183	91615	3.94%	0.285%
49	17.909	2585	2588	2590	rVV2	118834	161116	6.93%	0.501%
50	17.933	2590	2592	2596	rVV	101721	129655	5.58%	0.403%
51	17.980	2596	2600	2604	rVV	120479	163883	7.05%	0.510%
52	18.015	2604	2606	2612	rVV	43348	64534	2.78%	0.201%
53	18.080	2612	2617	2621	rVV2	354166	515511	22.17%	1.604%
54	18.139	2624	2627	2631	rVV	118014	176332	7.58%	0.549%
55	18.186	2631	2635	2641	rVB	128189	179292	7.71%	0.558%
56	18.292	2648	2653	2661	rBV	237508	330647	14.22%	1.029%
57	18.368	2662	2666	2669	rBV	95460	149838	6.44%	0.466%
58	18.433	2675	2677	2681	rVB2	50100	62642	2.69%	0.195%
59	18.480	2681	2685	2688	rBV2	79441	104529	4.49%	0.325%
60	18.545	2693	2696	2700	rVB2	38989	50302	2.16%	0.156%
61	18.633	2705	2711	2718	rVV	445252	602605	25.91%	1.875%
62	18.727	2725	2727	2730	rBV2	16386	21354	0.92%	0.066%
63	18.768	2730	2734	2737	rVV	66780	88751	3.82%	0.276%
64	18.856	2747	2749	2753	rVB3	33531	37294	1.60%	0.116%
65	18.909	2754	2758	2760	rVV2	136229	184342	7.93%	0.573%
66	18.939	2760	2763	2771	rVB3	309646	513359	22.08%	1.597%
67	19.021	2774	2777	2781	rVB2	68299	78403	3.37%	0.244%
68	19.080	2781	2787	2792	rBV	1086992	1460171	62.79%	4.542%
69	19.139	2793	2797	2801	rBV3	112418	187354	8.06%	0.583%
70	19.221	2806	2811	2816	rVB	508026	686136	29.50%	2.135%
71	19.286	2818	2822	2826	rBV	211768	272349	11.71%	0.847%

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72	19.415	2839	2844	2846	rBV2	826540	1135338	48.82%	3.532%
73	19.445	2846	2849	2853	rVV	888671	1130323	48.61%	3.516%
74	19.480	2853	2855	2859	rVB2	105857	125351	5.39%	0.390%
75	19.562	2865	2869	2873	rVB	168526	204852	8.81%	0.637%
76	19.615	2874	2878	2881	rVV2	92623	142478	6.13%	0.443%
77	19.668	2883	2887	2895	rVB2	464448	674249	28.99%	2.098%
78	19.933	2928	2932	2938	rBV3	329055	474916	20.42%	1.477%
79	19.986	2938	2941	2946	rVB	386562	443783	19.08%	1.381%
80	20.045	2947	2951	2955	rBV	126737	180558	7.76%	0.562%
81	20.133	2964	2966	2971	rVB	86504	107428	4.62%	0.334%
82	20.215	2976	2980	2983	rVV	309158	383972	16.51%	1.195%
83	20.268	2986	2989	2991	rVV	136563	188453	8.10%	0.586%
84	20.292	2991	2993	3000	rVB3	160590	196662	8.46%	0.612%
85	20.456	3019	3021	3025	rVB2	105208	113673	4.89%	0.354%
86	20.533	3027	3034	3044	rVV2	330138	639450	27.50%	1.989%
87	20.686	3056	3060	3066	rVB2	90203	166331	7.15%	0.517%
88	20.839	3083	3086	3093	rBV4	114462	257828	11.09%	0.802%
89	20.927	3098	3101	3107	rVB4	150615	326844	14.05%	1.017%
90	21.121	3131	3134	3139	rVB	185063	201304	8.66%	0.626%
91	21.209	3143	3149	3153	rVV2	1219530	2325510	100.00%	7.234%
92	21.250	3153	3156	3163	rVB	573156	749911	32.25%	2.333%
93	21.362	3171	3175	3180	rBV2	193072	259603	11.16%	0.808%
94	21.786	3244	3247	3255	rVB2	148070	233510	10.04%	0.726%
95	22.233	3320	3323	3329	rVB2	225957	290351	12.49%	0.903%
96	22.756	3404	3412	3417	rBV2	443358	1193175	51.31%	3.712%
97	23.227	3488	3492	3496	rBV	252994	431587	18.56%	1.343%
98	23.280	3496	3501	3505	rVV	605148	1047460	45.04%	3.259%
99	23.321	3505	3508	3515	rVB	415717	654917	28.16%	2.037%
100	23.421	3519	3525	3530	rBV	653220	1253560	53.90%	3.900%

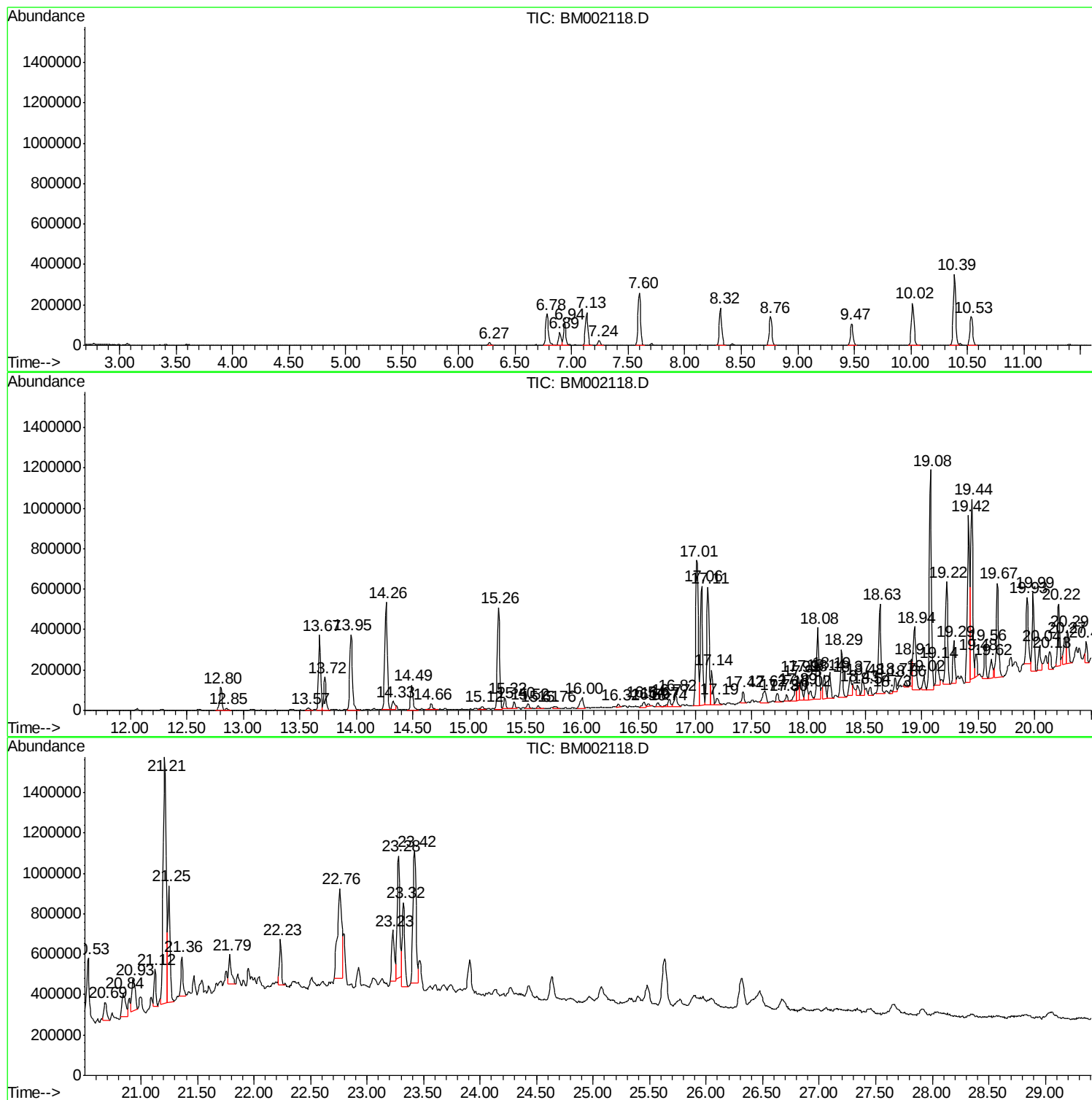
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



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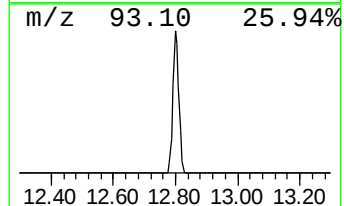
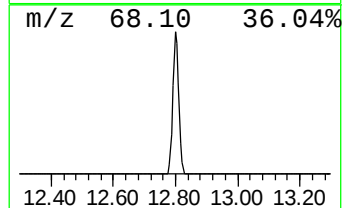
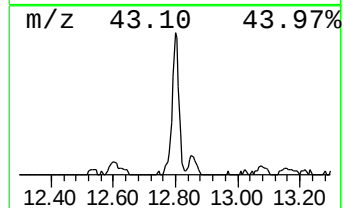
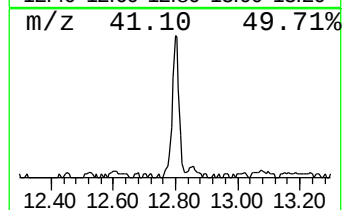
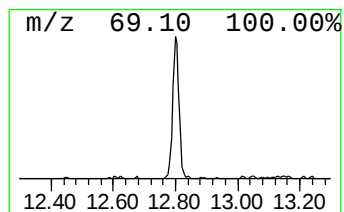
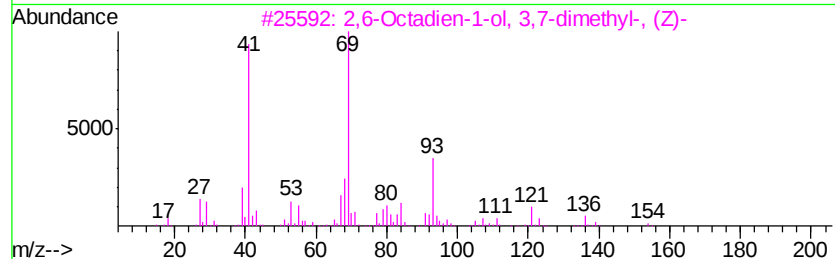
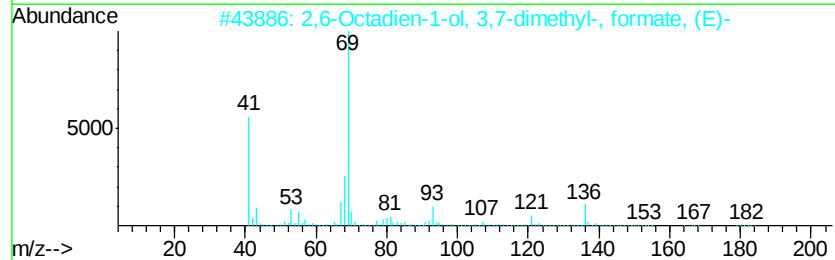
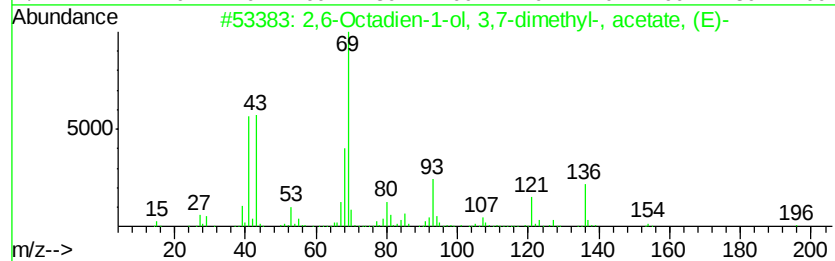
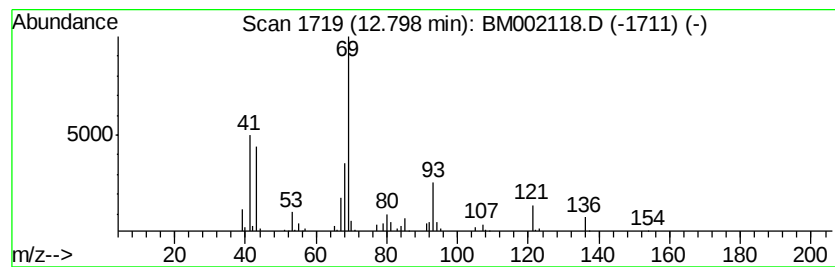
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 2,6-Octadien-1-ol, 3,7-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	4.30 ng/ul	173520	Acenaphthene-d10	14.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,6-Octadien-1-ol, 3,7-dimethyl-...	196	C12H20O2	000105-87-3	90
2			2,6-Octadien-1-ol, 3,7-dimethyl-...	182	C11H18O2	000105-86-2	90
3			2,6-Octadien-1-ol, 3,7-dimethyl-...	154	C10H18O	000106-25-2	87
4			2,6-Octadien-1-ol, 3,7-dimethyl-...	196	C12H20O2	000105-87-3	83
5			2,6-Octadien-1-ol, 3,7-dimethyl-...	196	C12H20O2	000141-12-8	46



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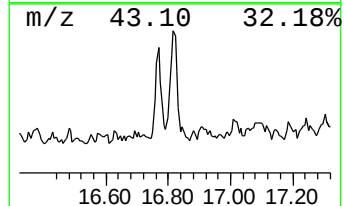
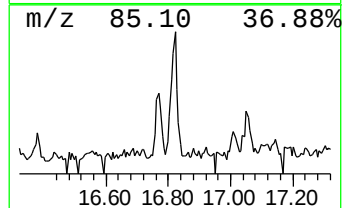
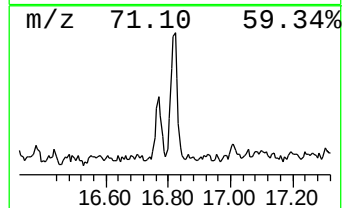
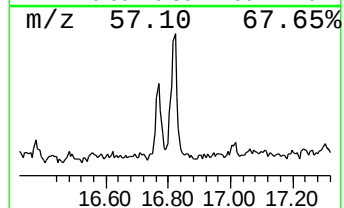
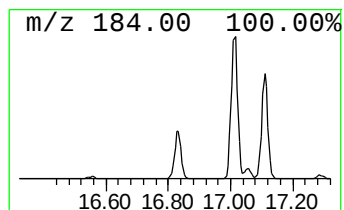
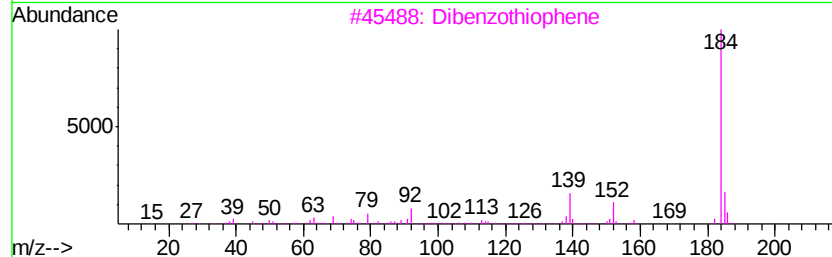
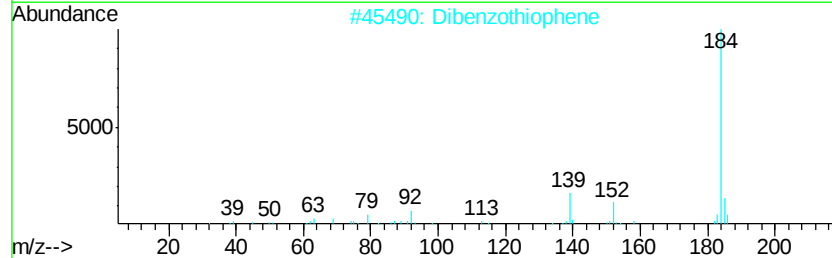
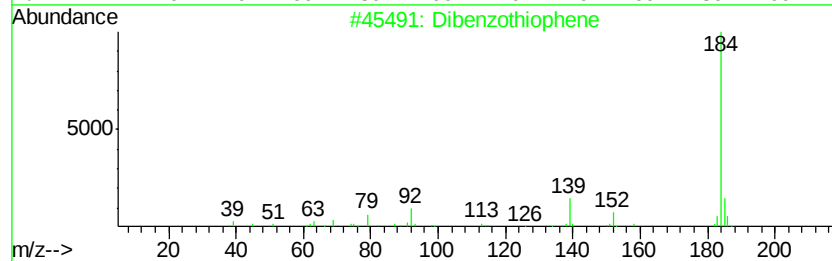
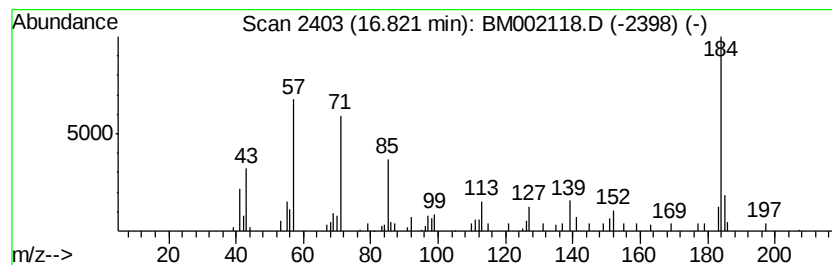
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.00 ng/ul	106620	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	49
2		Dibenzothiophene	184	C12H8S	000132-65-0	46
3		Dibenzothiophene	184	C12H8S	000132-65-0	46
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	46
5		Dibenzothiophene	184	C12H8S	000132-65-0	43



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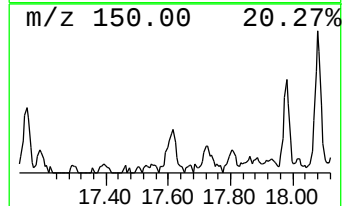
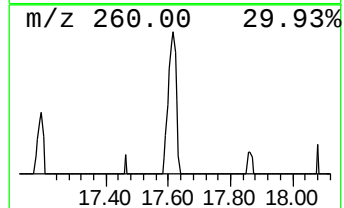
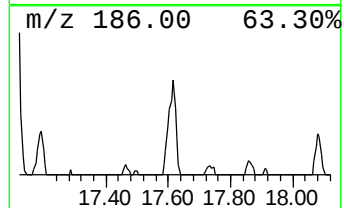
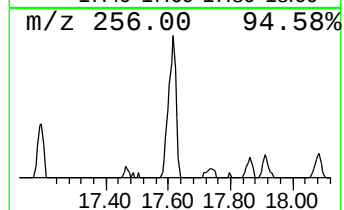
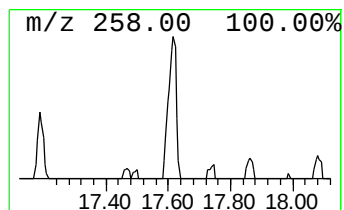
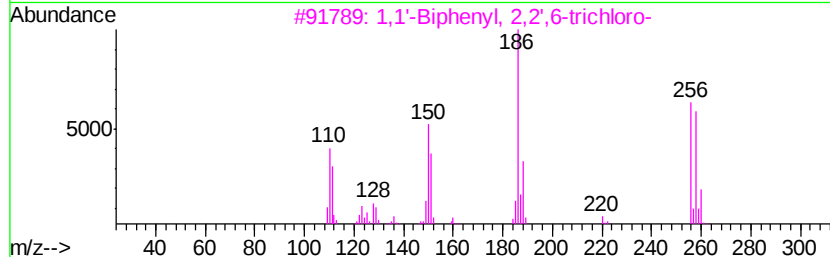
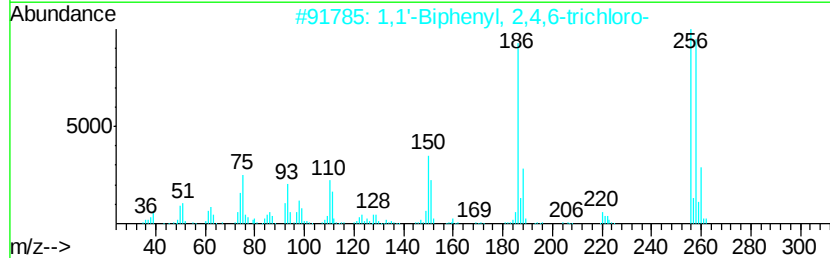
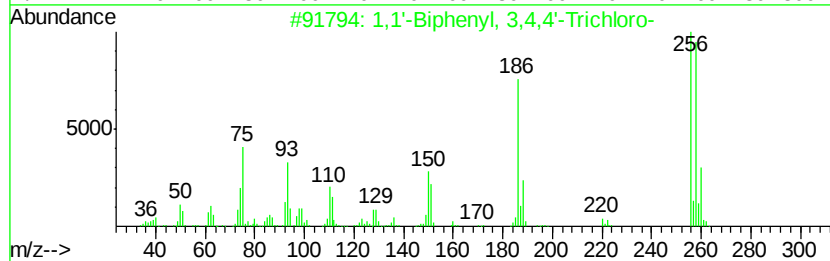
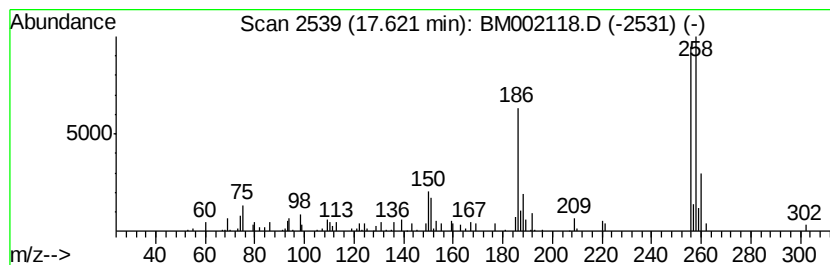
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Peak Number 3 1,1'-Biphenyl, 3,4,4'-Trich... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.62	2.29 ng/ul	121877	Phenanthrene-d10	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	95
2	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	94
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	94
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	94
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

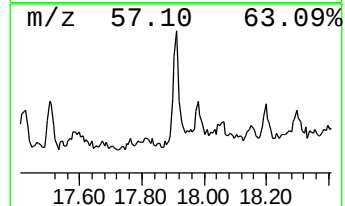
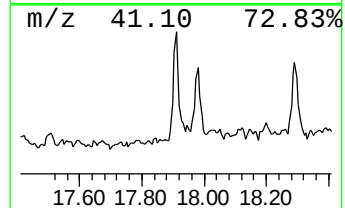
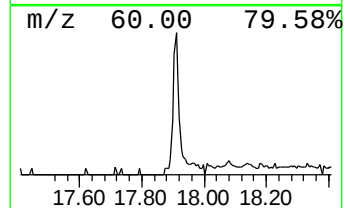
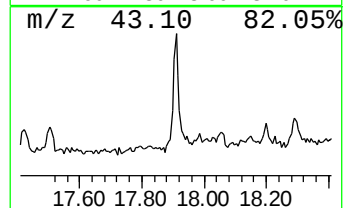
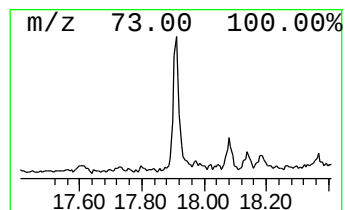
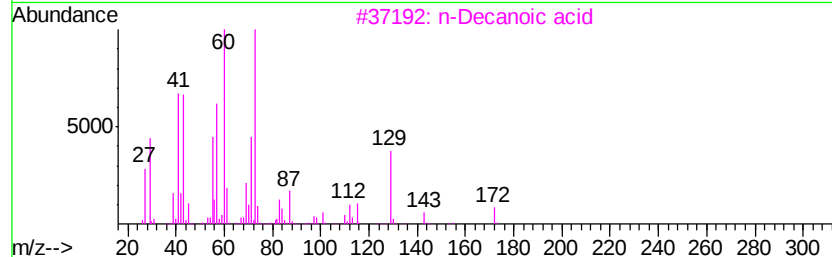
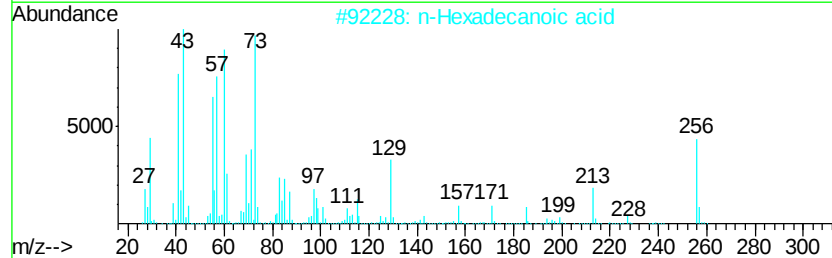
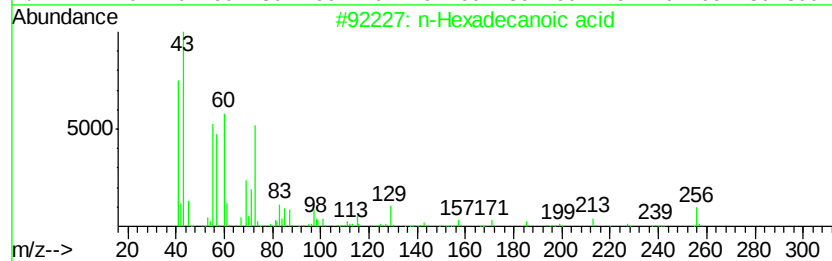
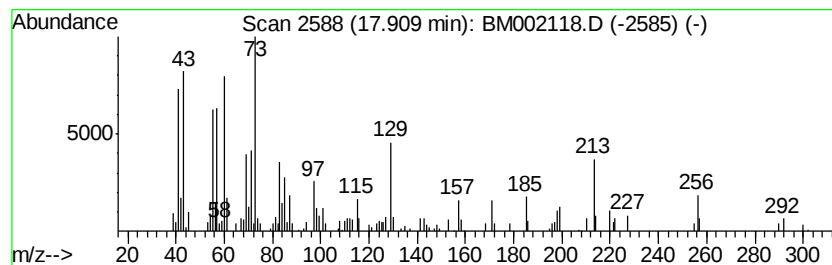
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	3.03 ng/ul	161116	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3		n-Decanoic acid	172	C10H20O2	000334-48-5	86
4		n-Decanoic acid	172	C10H20O2	000334-48-5	70
5		Tridecanoic acid	214	C13H26O2	000638-53-9	70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

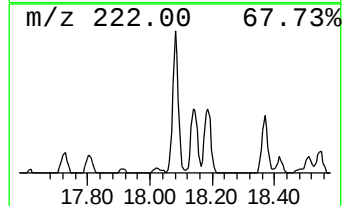
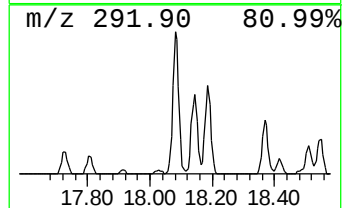
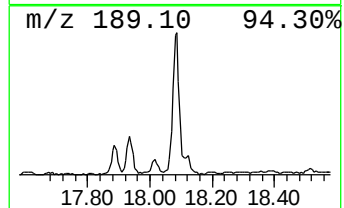
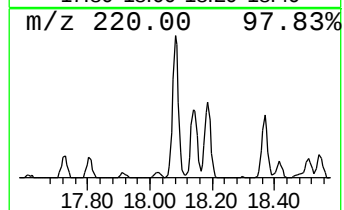
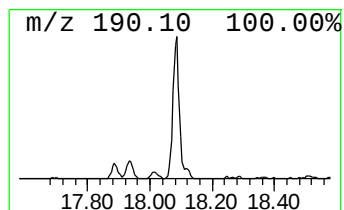
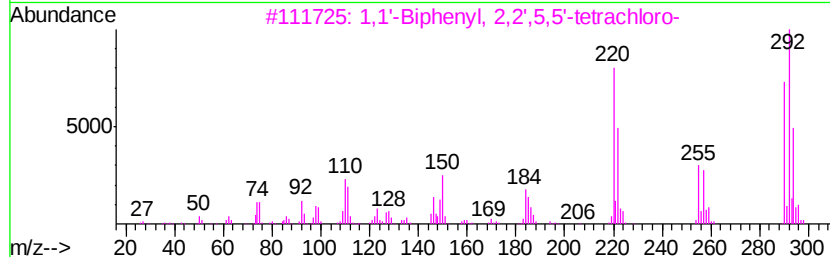
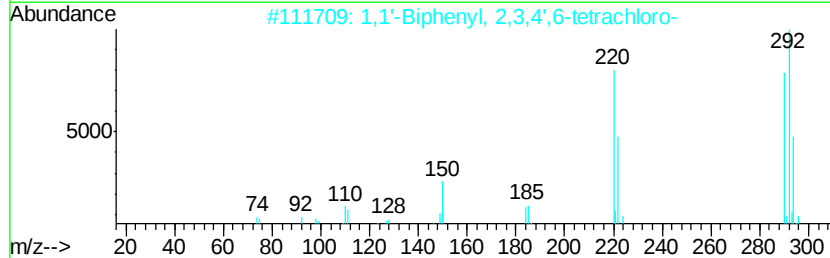
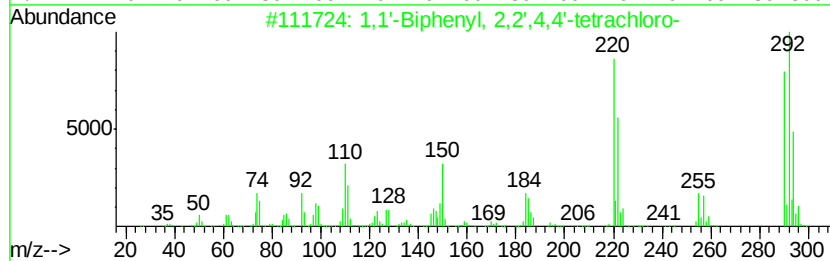
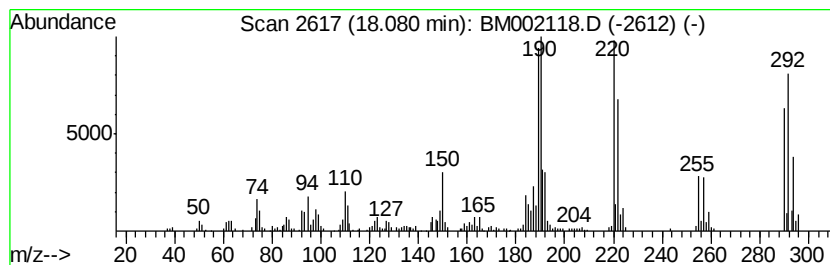
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	9.68 ng/ul	515511	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
2		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97
3		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	97
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
5		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

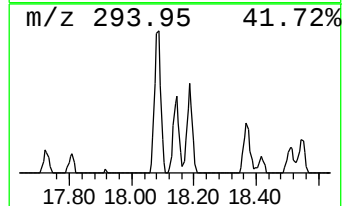
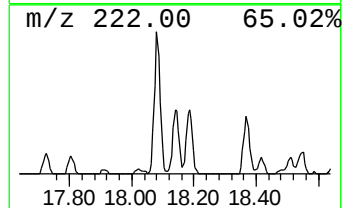
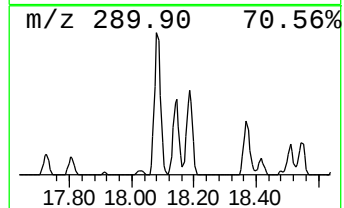
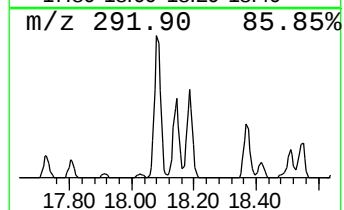
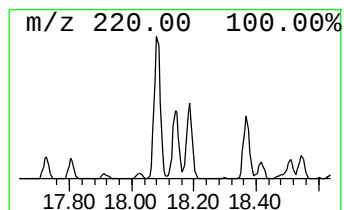
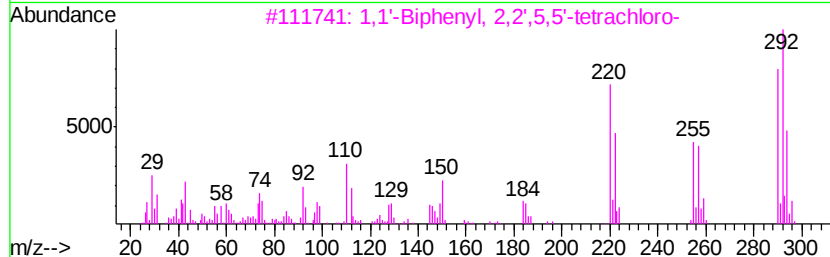
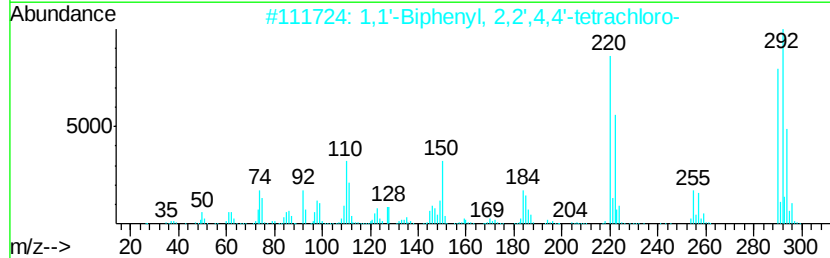
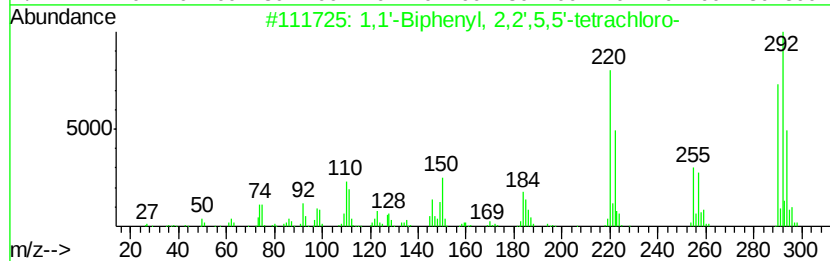
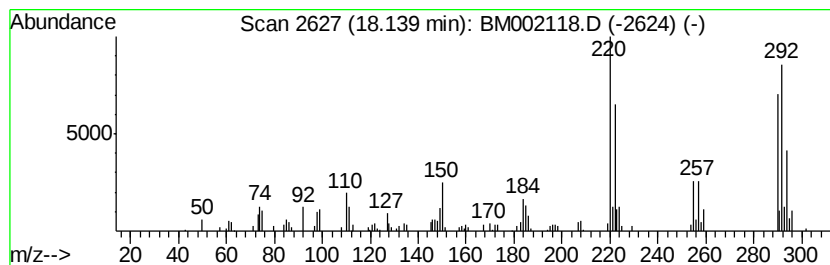
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.31 ng/ul	176332	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2			1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3			1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4			1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5			1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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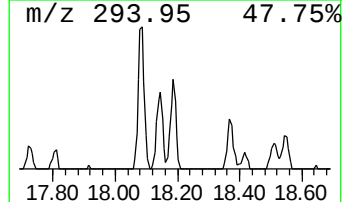
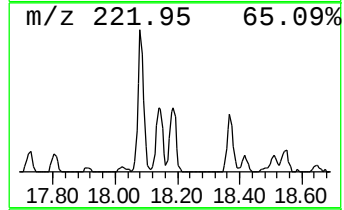
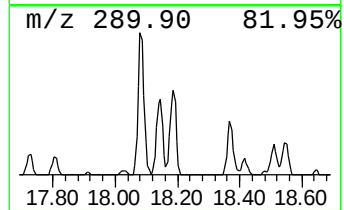
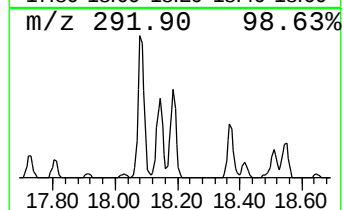
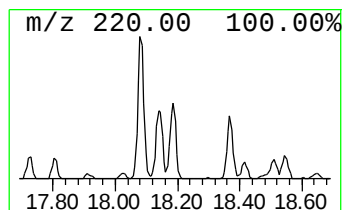
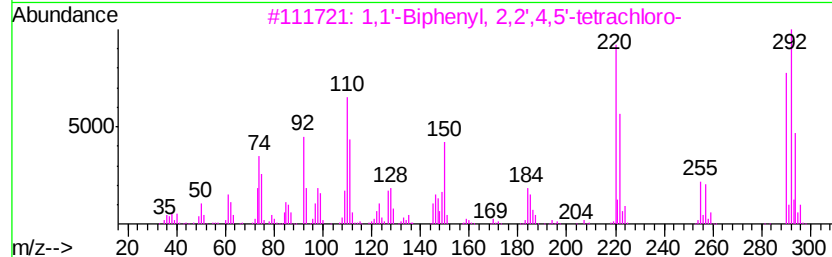
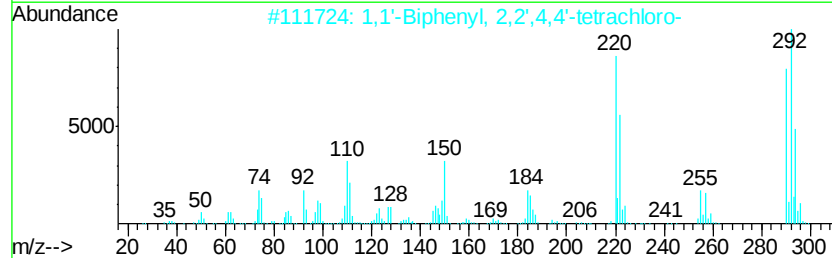
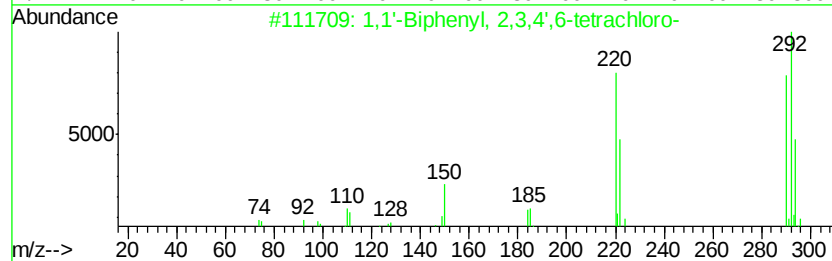
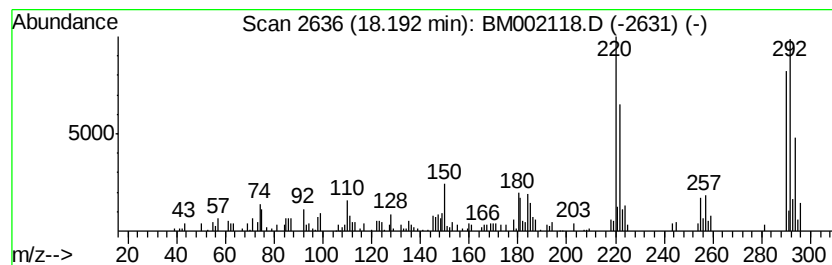
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.37 ng/ul	179292	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2			1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3			1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4			1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5			1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	98



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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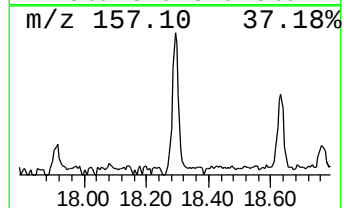
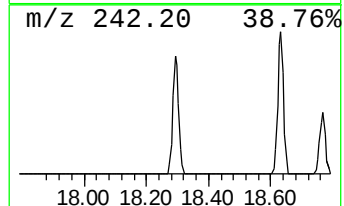
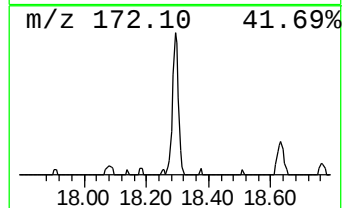
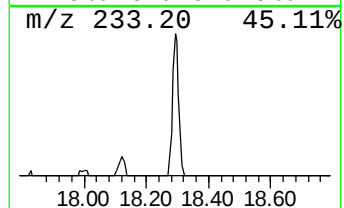
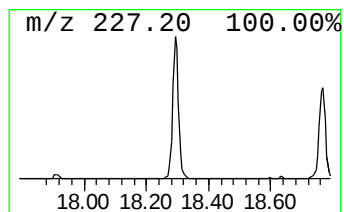
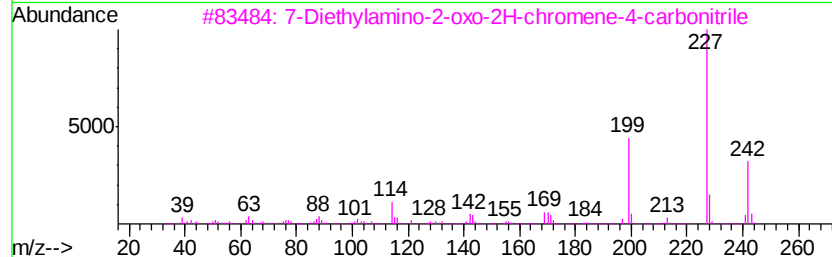
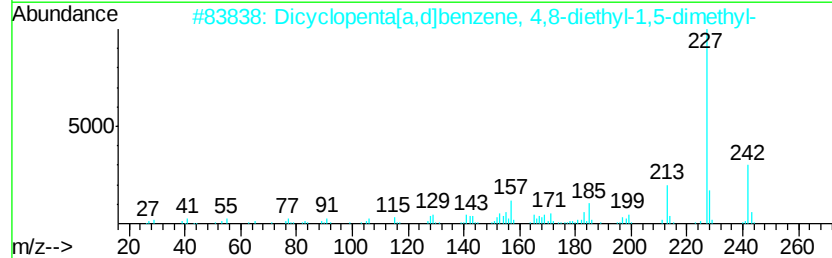
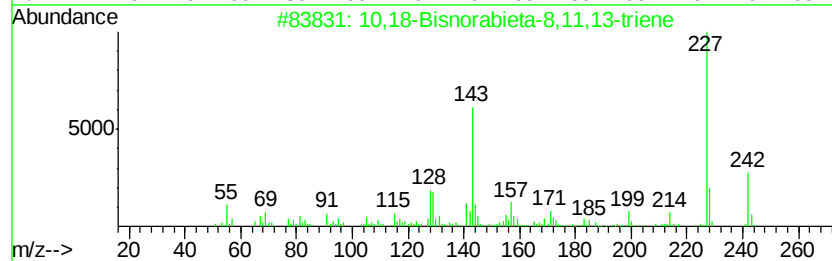
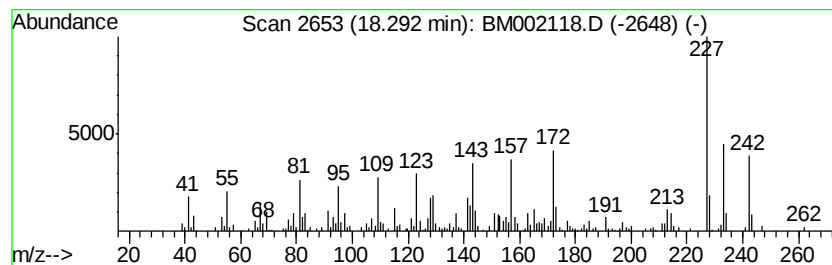
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 10,18-Bisnorabieta-8,11,13-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	6.21 ng/ul	330647	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	50
2		Dicvclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	41
3		7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	27
4		2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	1000297-99-1	27
5		2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

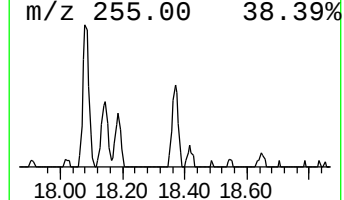
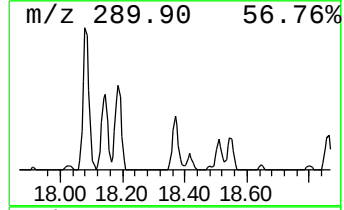
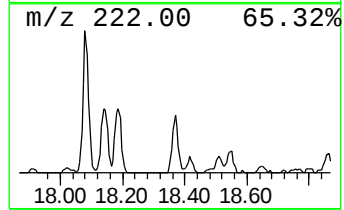
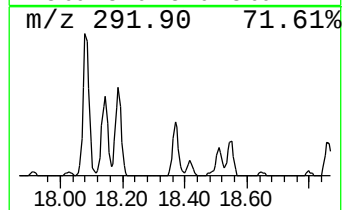
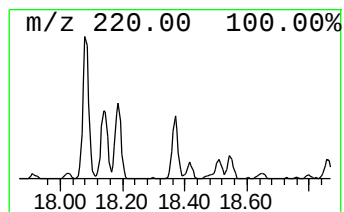
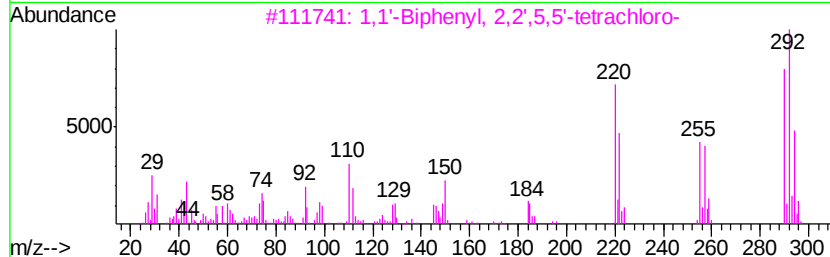
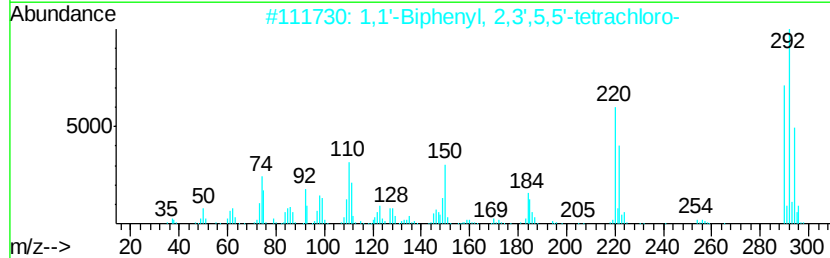
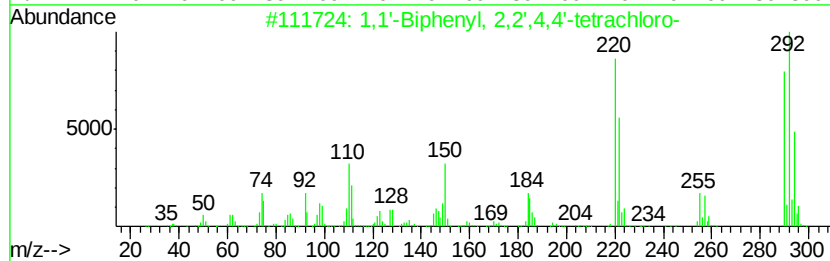
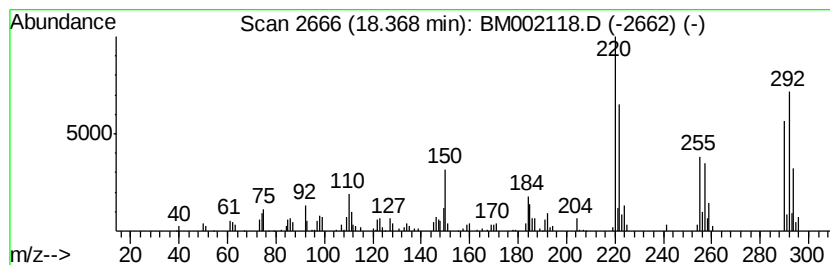
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.37	2.81 ng/ul	149838	Phenanthrene-d10	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	98



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

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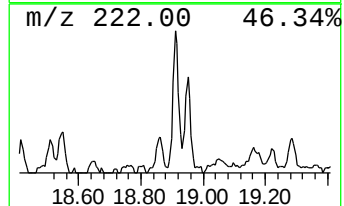
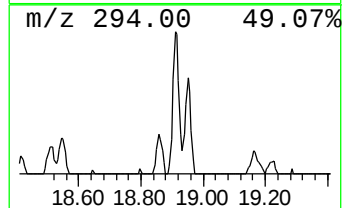
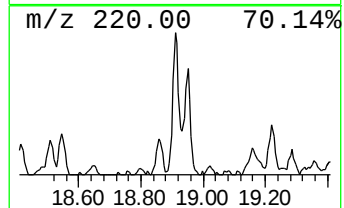
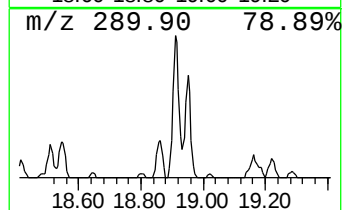
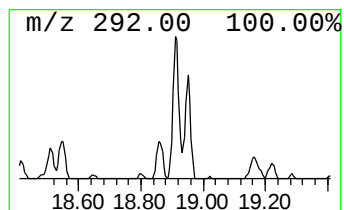
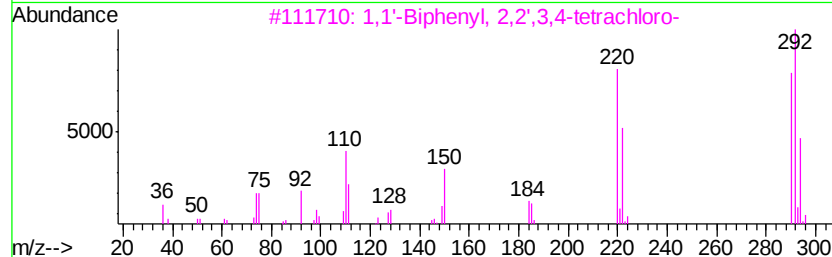
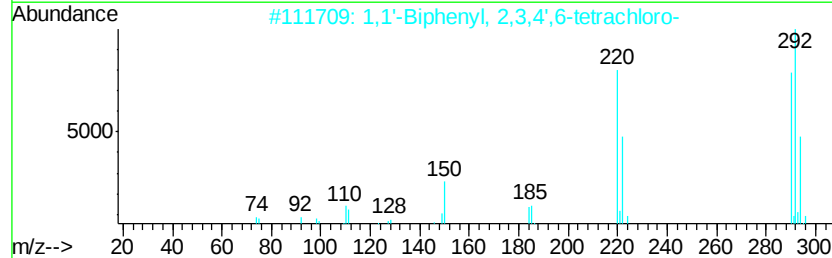
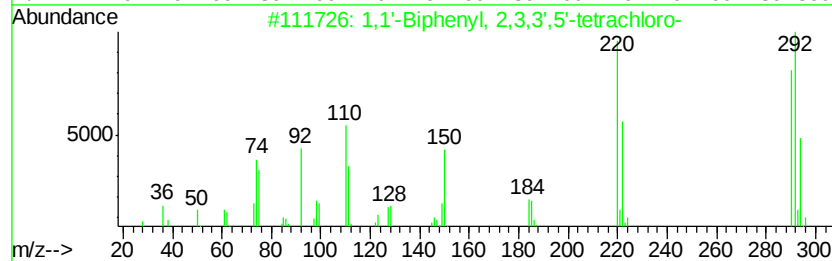
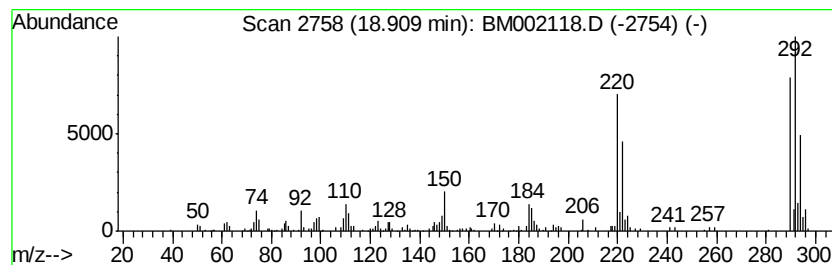
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.46 ng/ul	184342	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2			1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3			1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4			1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5			1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	98



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

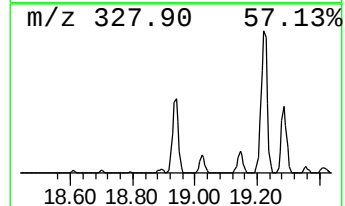
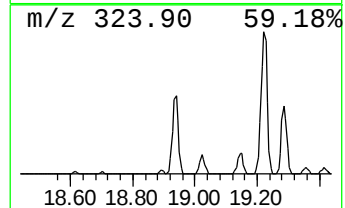
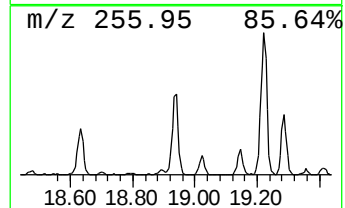
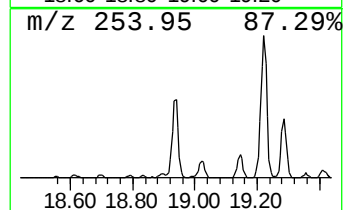
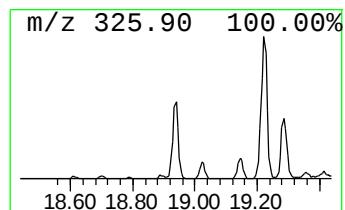
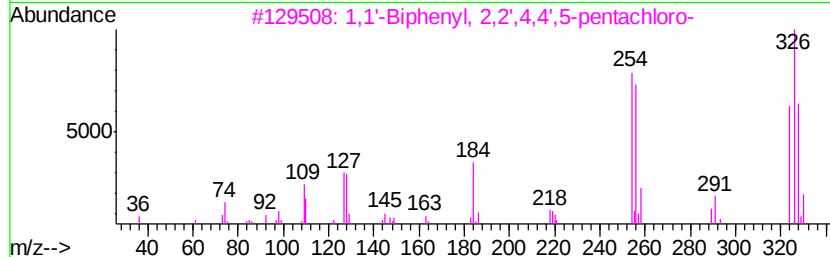
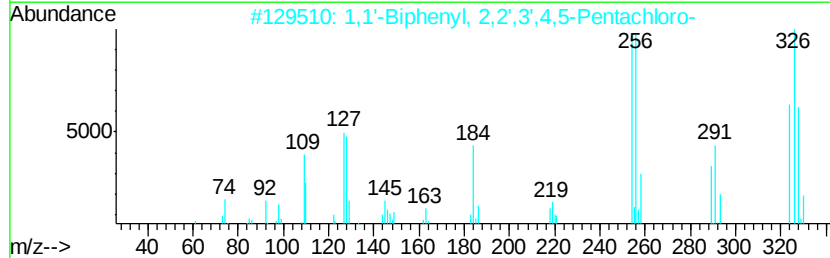
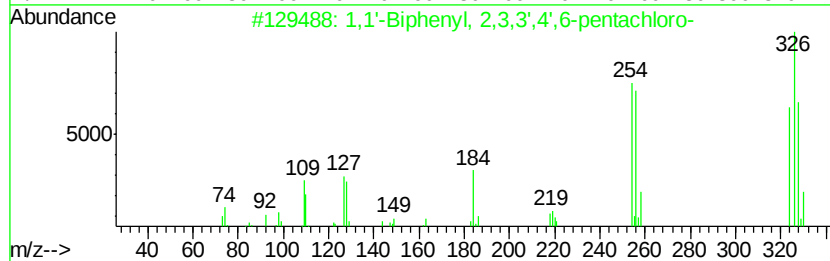
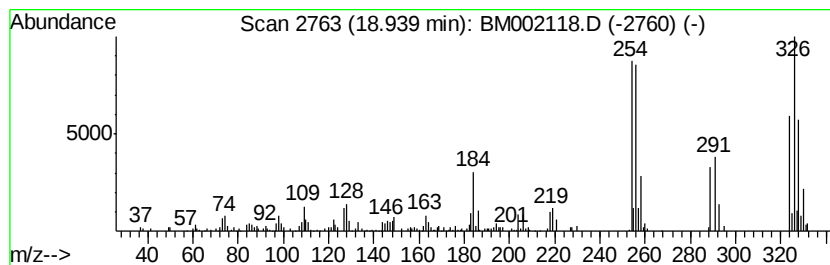
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	9.64 ng/ul	513359	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2			1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3			1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4			1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	97
5			1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

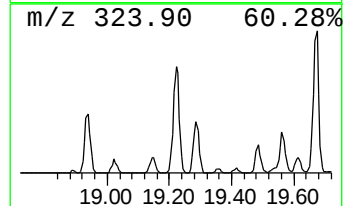
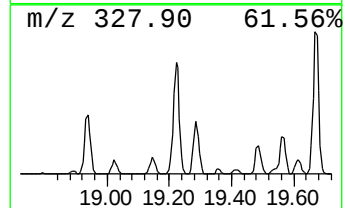
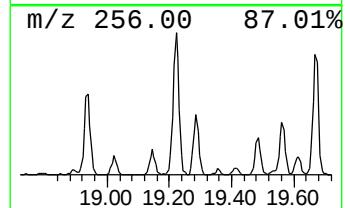
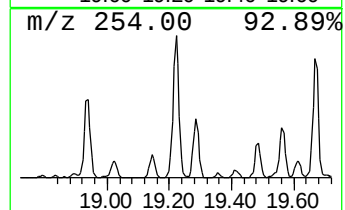
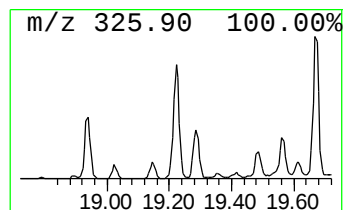
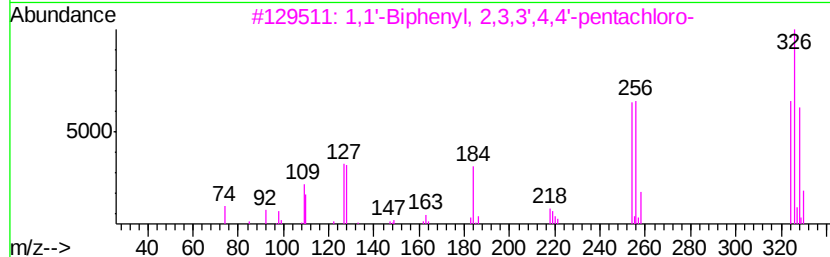
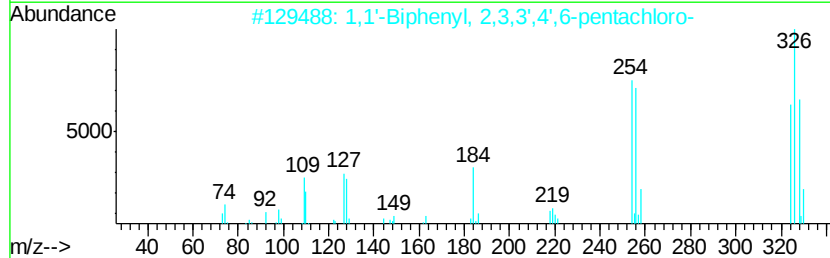
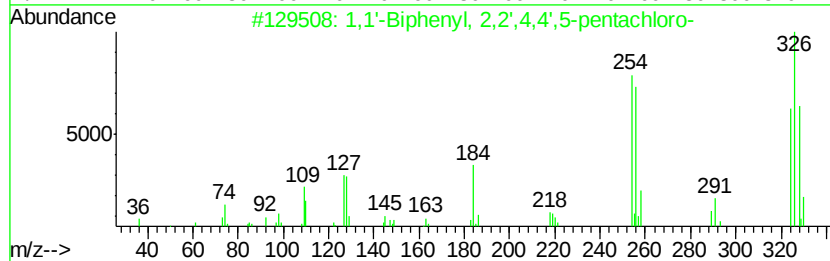
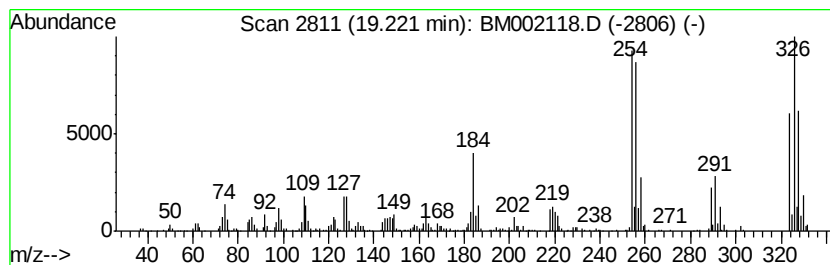
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	5.90 ng/ul	686136	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

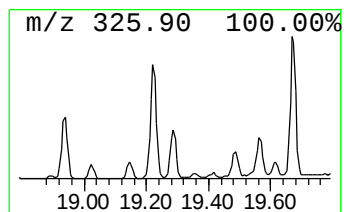
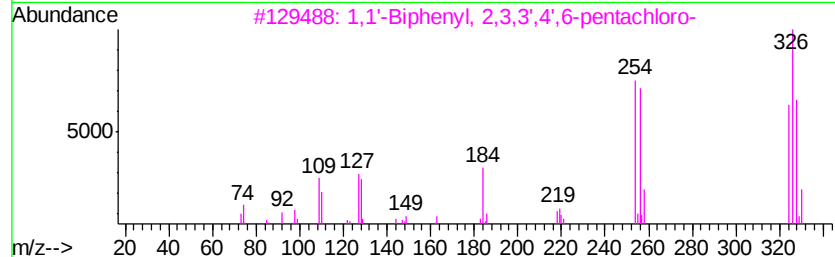
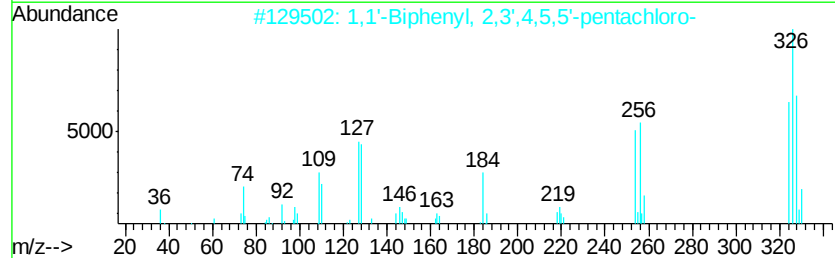
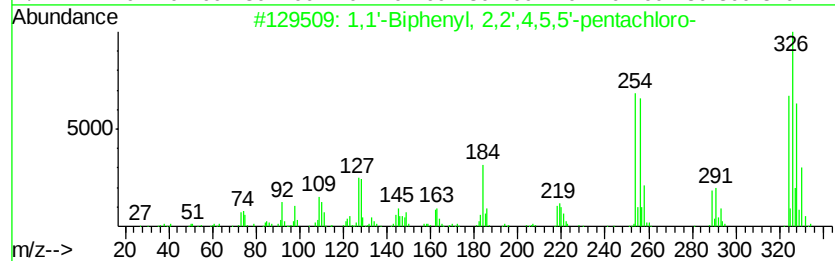
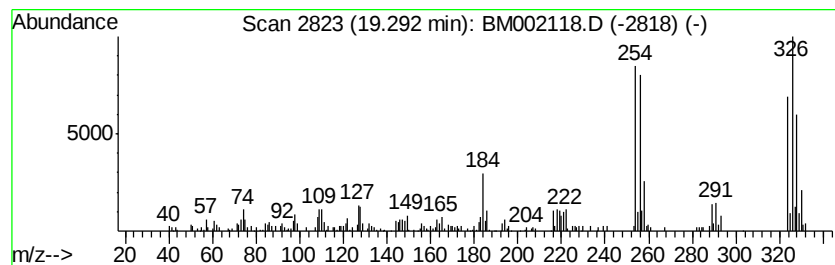
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.34 ng/ul	272349	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2		1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	99
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

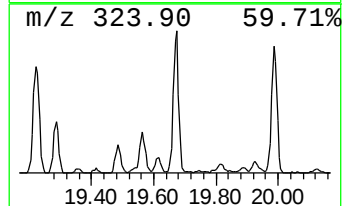
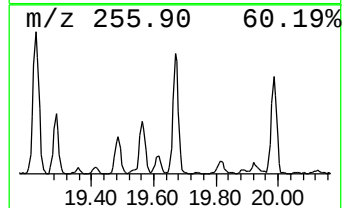
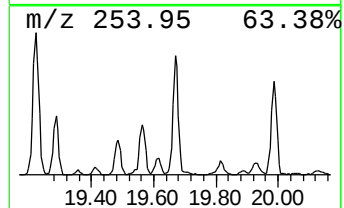
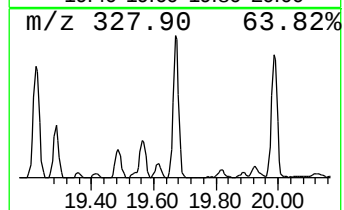
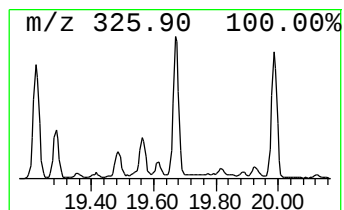
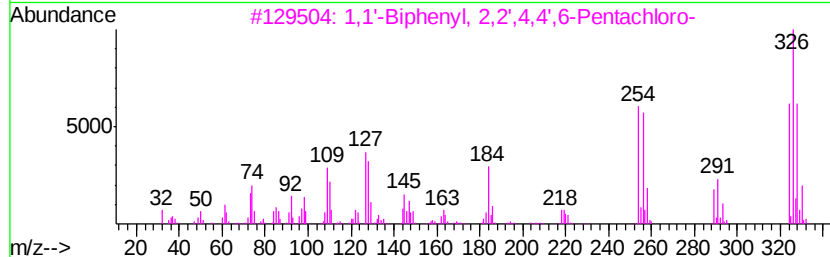
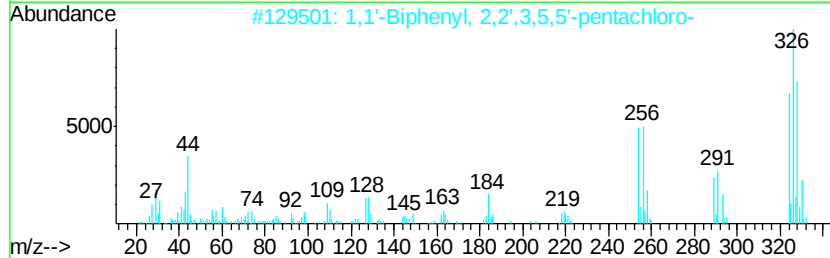
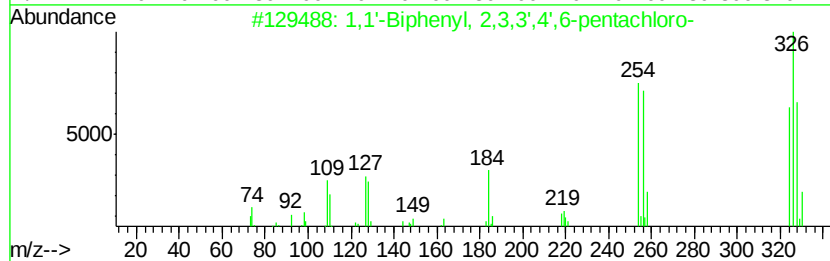
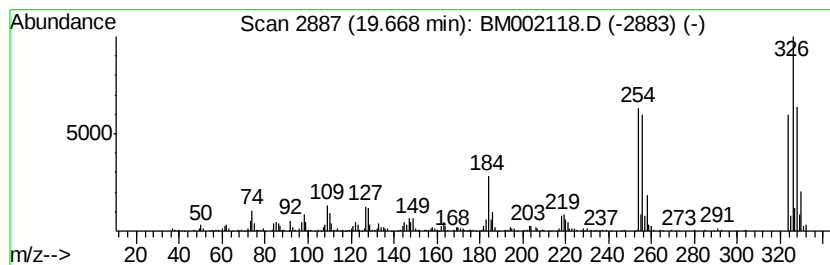
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	5.80 ng/ul	674249	Chrysene-d12	21.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'	-Biphenyl,	2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
3	1,1'	-Biphenyl,	2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	98
4	1,1'	-Biphenyl,	2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
5	1,1'	-Biphenyl,	2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

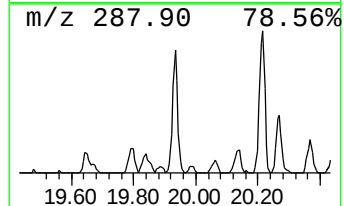
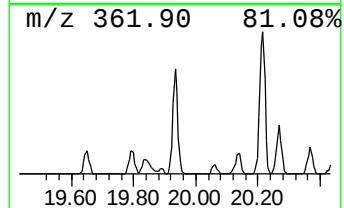
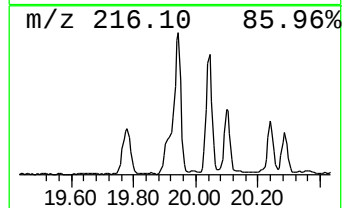
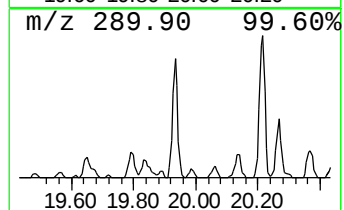
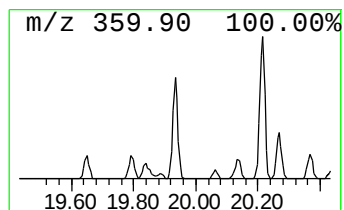
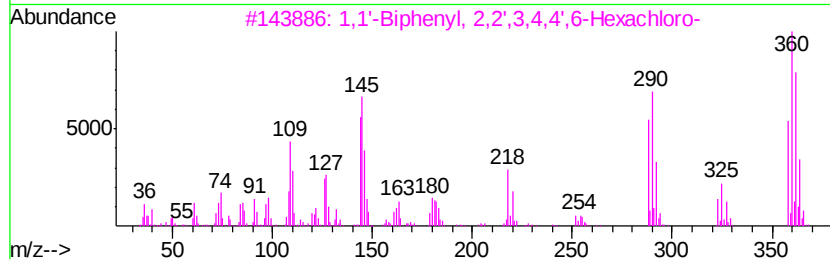
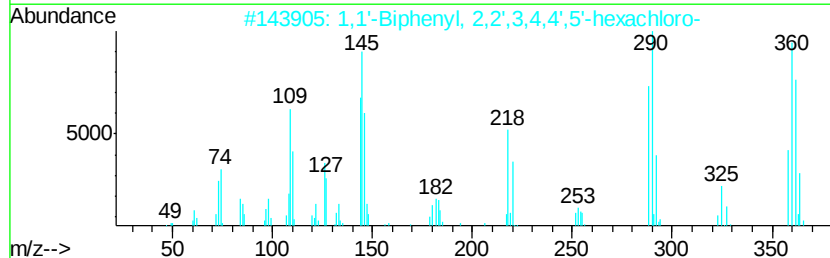
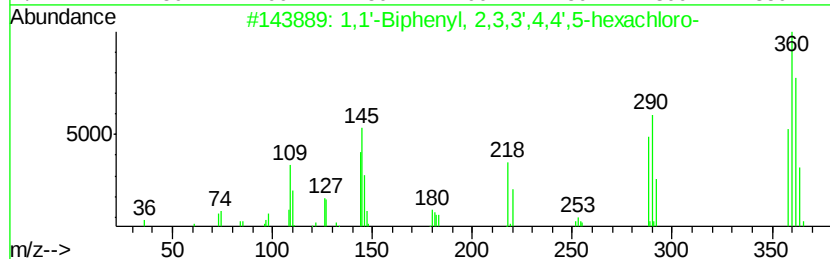
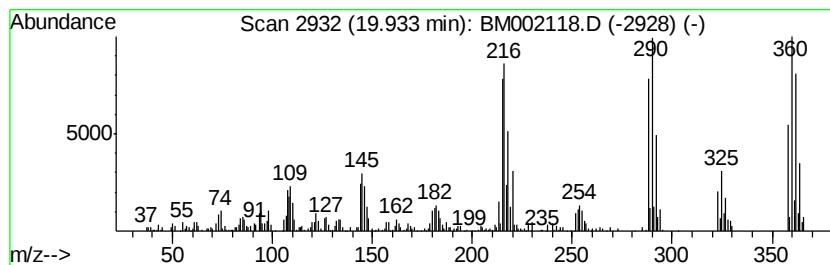
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	4.08 ng/ul	474916	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98
3		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	98
4		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	97
5		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	97



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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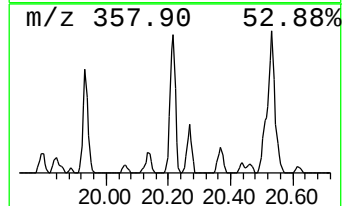
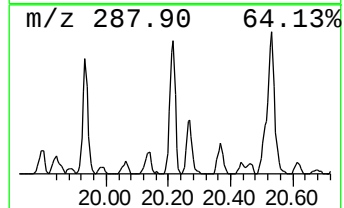
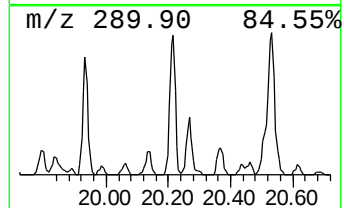
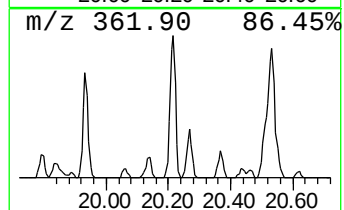
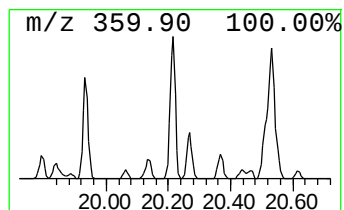
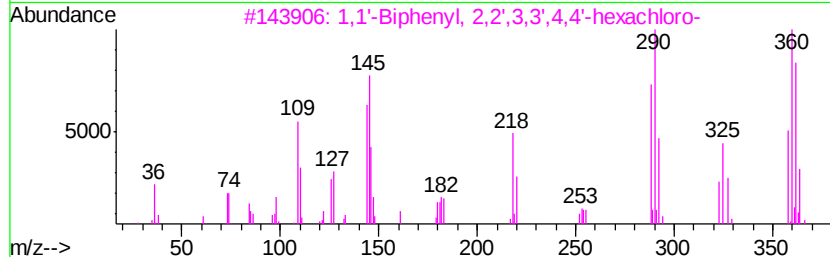
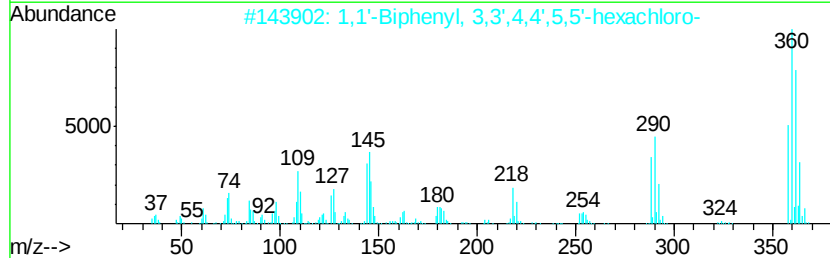
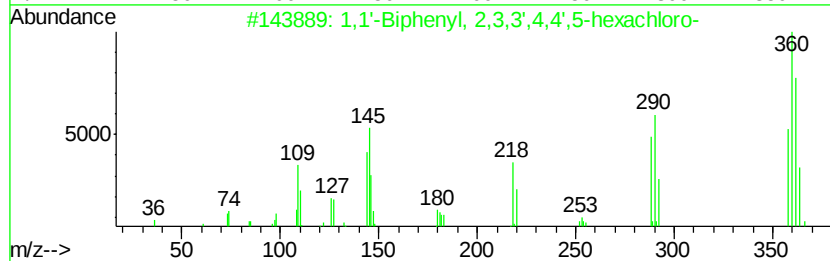
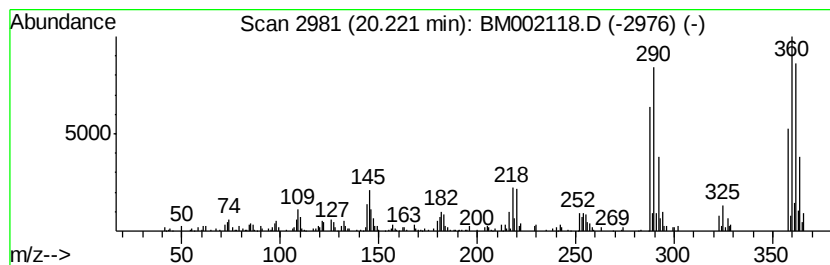
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	3.30 ng/ul	383972	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	96
3		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
4		1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	96
5		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C02F1

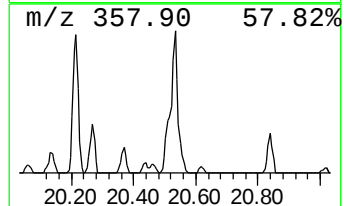
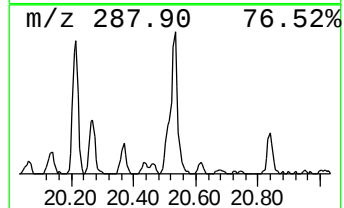
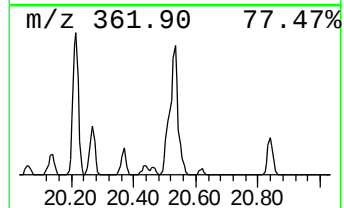
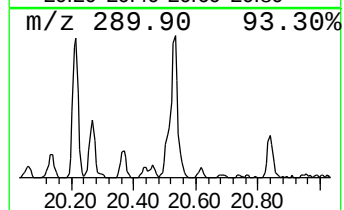
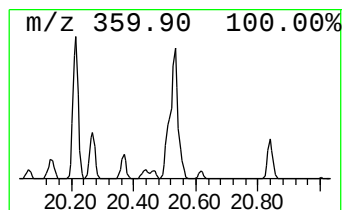
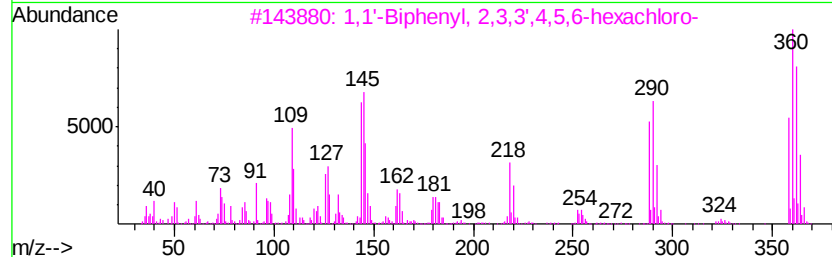
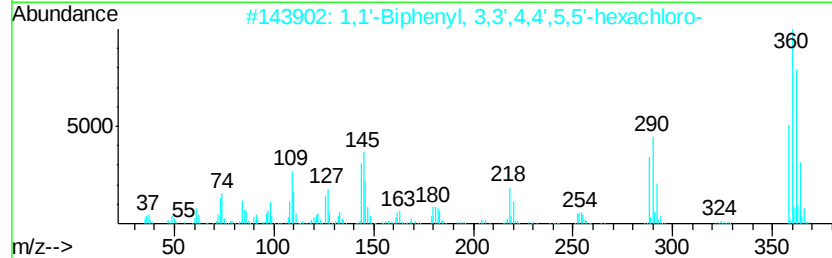
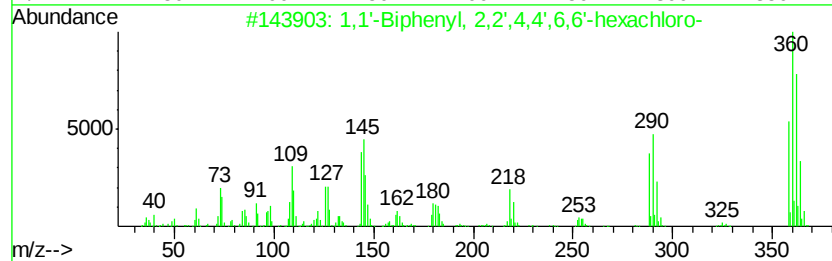
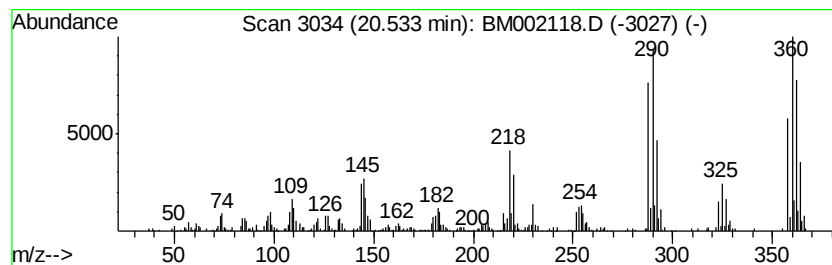
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	5.50 ng/ul	639450	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
2		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	96
5		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	96



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C02F1

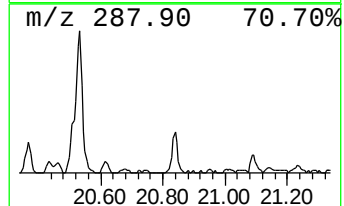
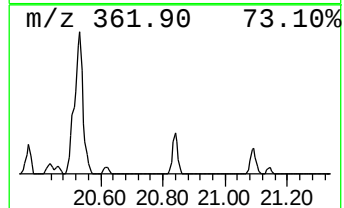
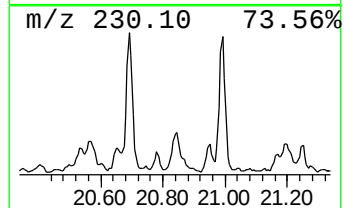
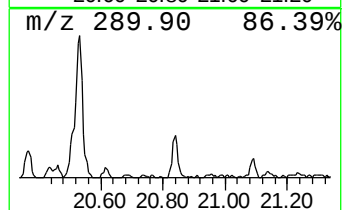
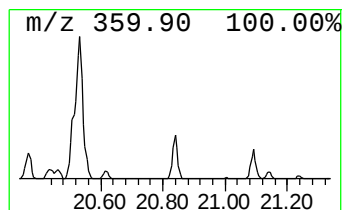
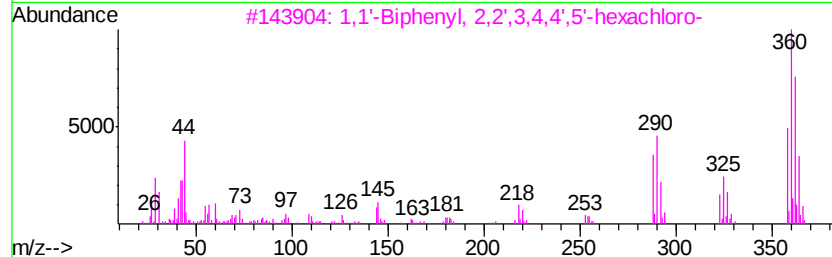
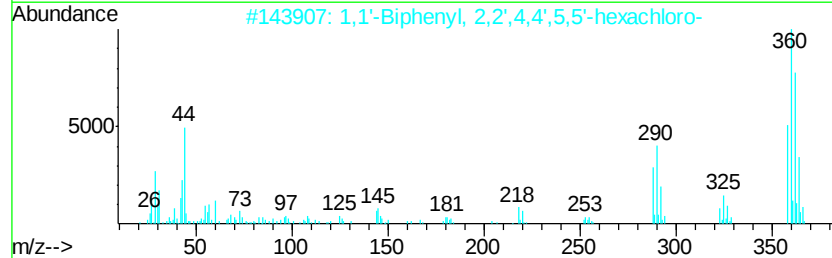
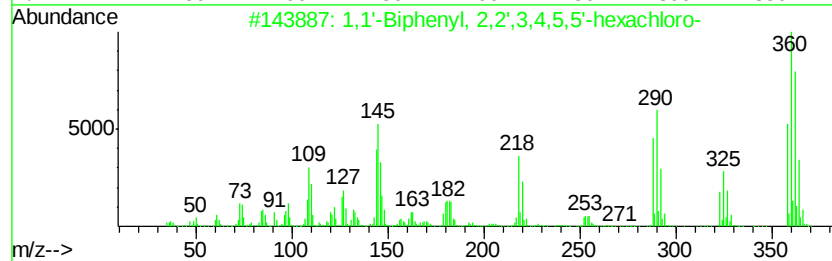
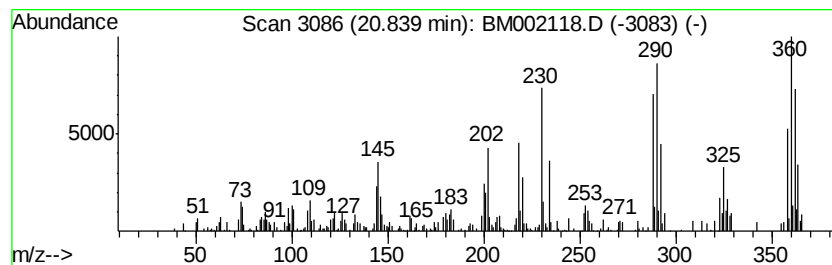
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.22 ng/ul	257828	Chrysene-d12	21.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	
2	1,1'	-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99	
3	1,1'	-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	97	
4	1,1'	-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	96	
5	1,1'	-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	95	



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

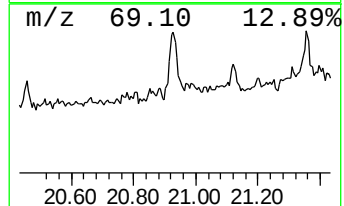
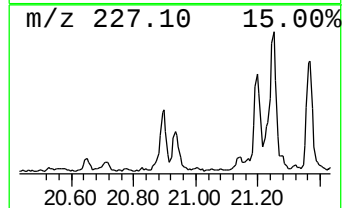
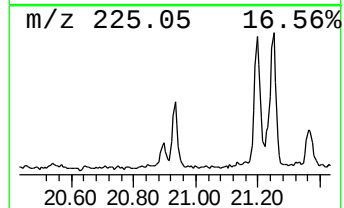
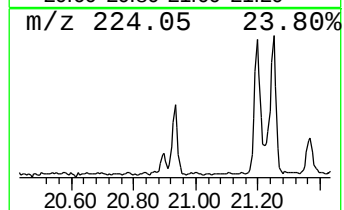
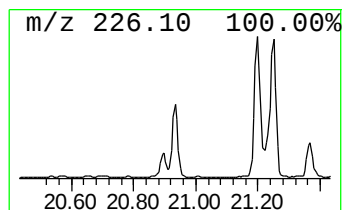
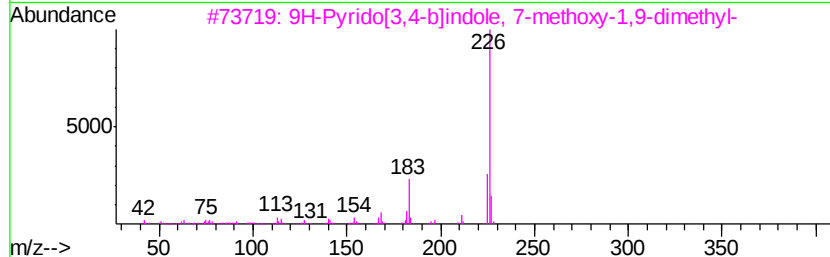
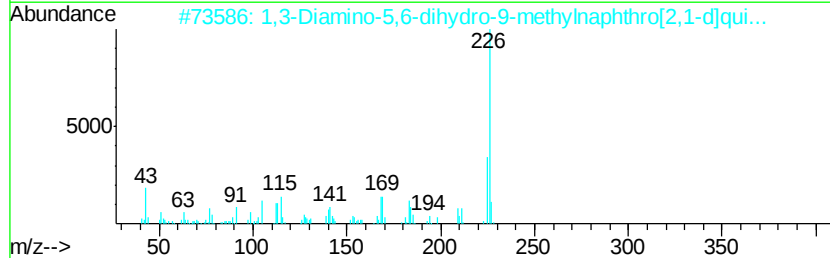
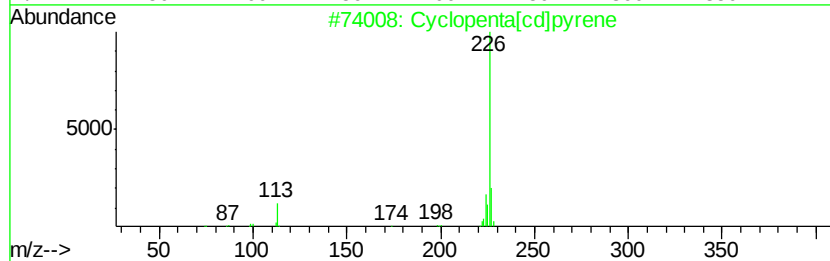
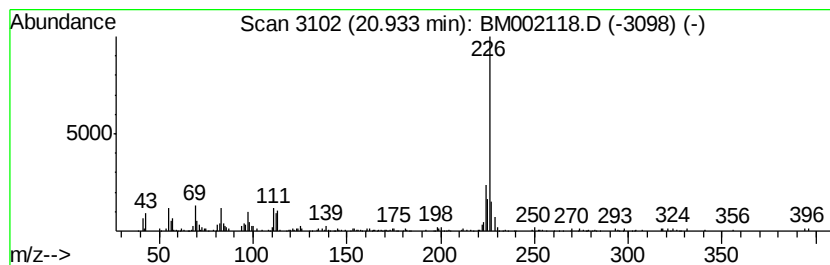
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.81 ng/ul	326844	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 49
2		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 38
3		9H-Pyrido[3,4-b]indole, 7-methox...	226 C14H14N2O	143502-37-8 38
4		Benzonitrile, 2-(5-methyl-2-thie...	226 C13H10N2S	315670-19-0 37
5		9H-Carbazole, 9-methyl-3-nitro-	226 C13H10N2O2	061166-05-0 35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

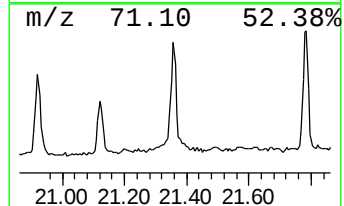
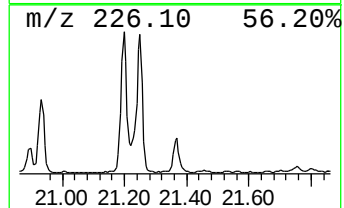
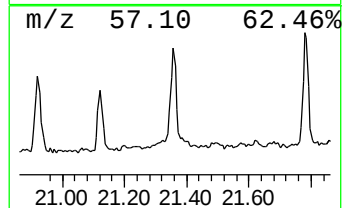
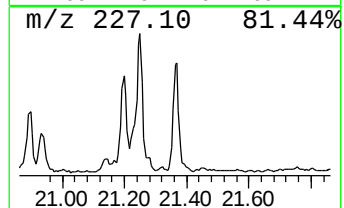
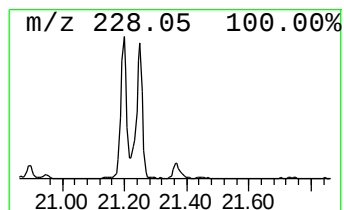
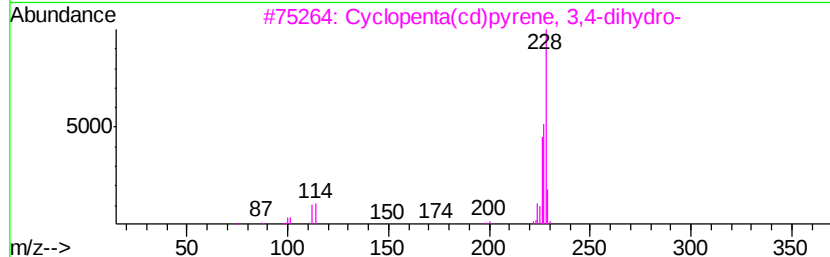
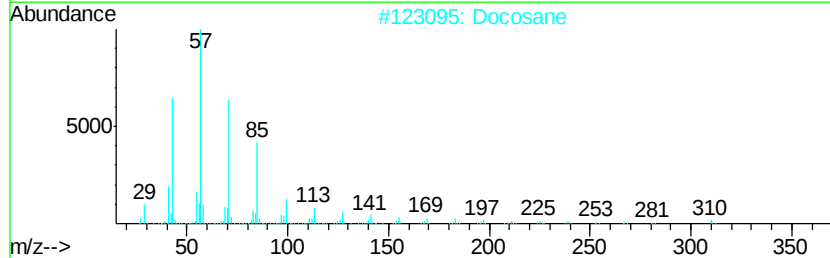
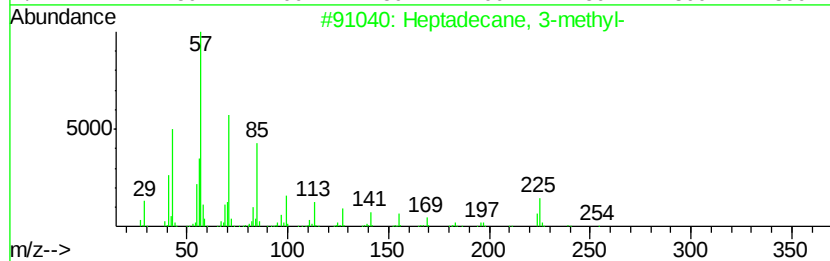
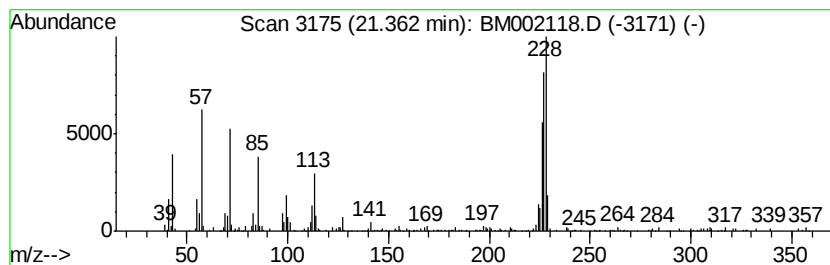
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.23 ng/ul	259603	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptadecane, 3-methyl-	254 C18H38	006418-44-6 47
2		Docosane	310 C22H46	000629-97-0 46
3		Cyclopenta(cd)pyrene, 3,4-dihydro-	228 C18H12	025732-74-5 46
4		Benzo[cl]phenanthrene	228 C18H12	000195-19-7 38
5		1,3,5-Triazine-2(1H)-thione, 4-(...	227 C9H17N5S	023613-02-7 38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F1

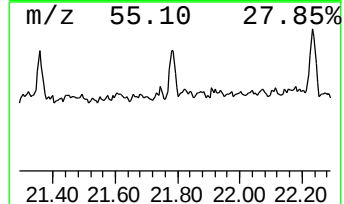
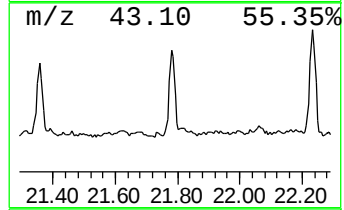
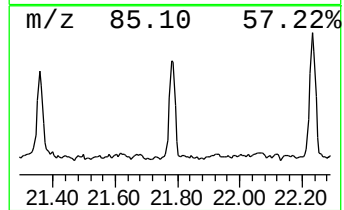
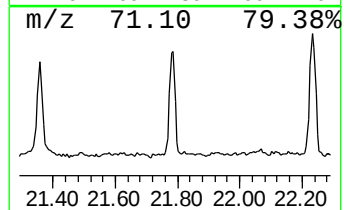
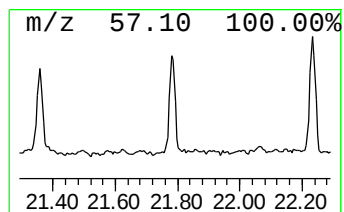
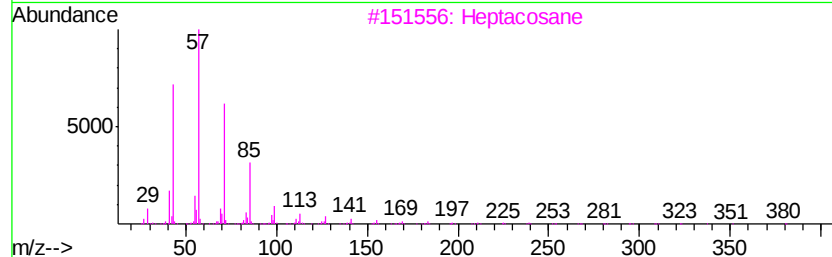
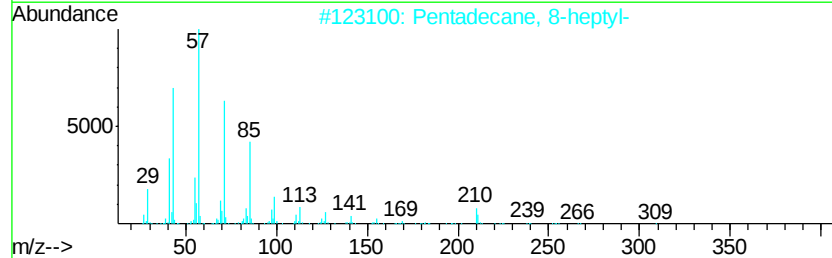
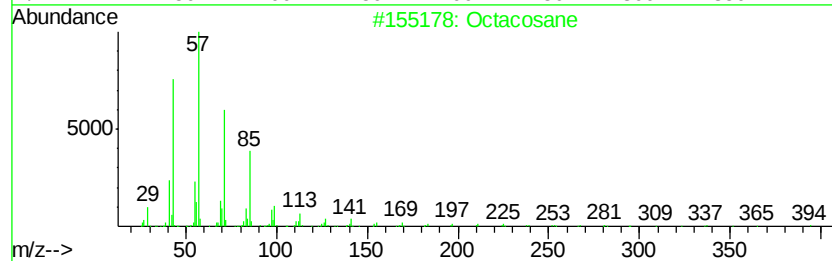
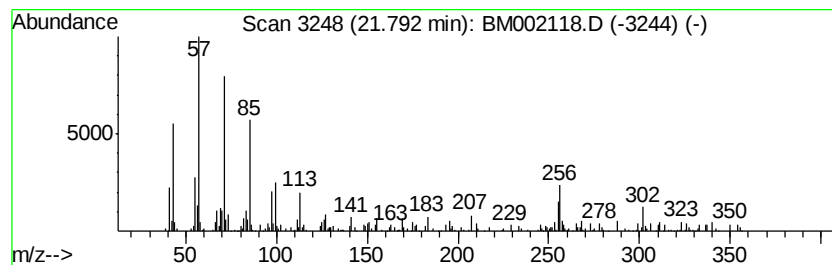
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	2.01 ng/ul	233510	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87
3		Heptacosane	380	C27H56	000593-49-7	83
4		Nonacosane	408	C29H60	000630-03-5	83
5		Triacontane	422	C30H62	000638-68-6	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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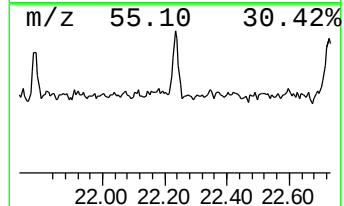
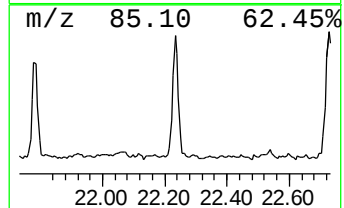
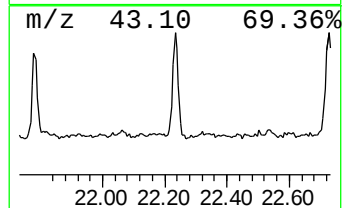
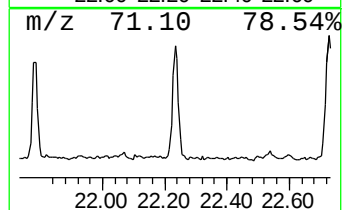
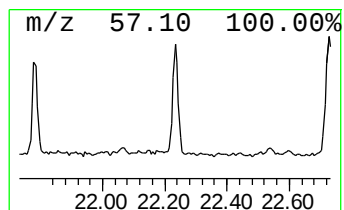
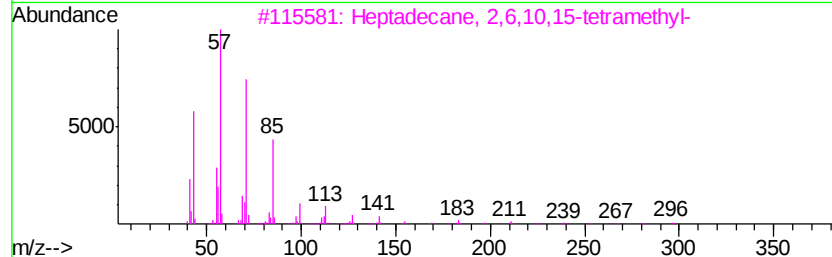
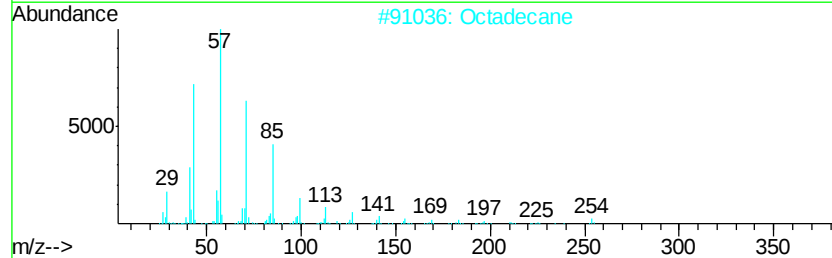
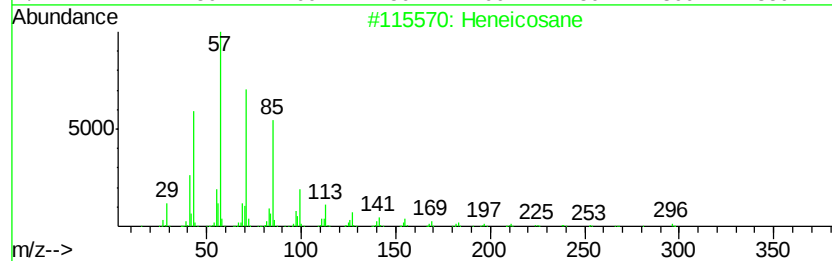
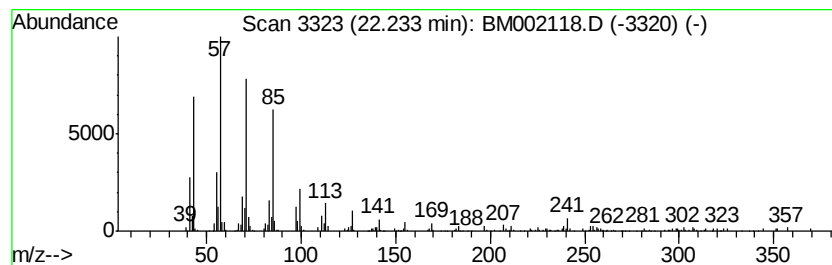
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	2.50 ng/ul	290351	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	98
2		Octadecane	254	C18H38	000593-45-3	96
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4		Octadecane	254	C18H38	000593-45-3	91
5		Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002118.D
 Acq On : 29 Jul 2015 06:29
 Operator : TP/UM
 Sample : G3030-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
2,6-Octadien-1-ol...	12.80	4.3	ng/ul	173520	3	14.26	807825	20.0
unknown-01	16.82	2.0	ng/ul	106620	4	17.01	1065180	20.0
1,1'-Biphenyl, 3,...	17.62	2.3	ng/ul	121877	4	17.01	1065180	20.0
n-Hexadecanoic acid	17.91	3.0	ng/ul	161116	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.08	9.7	ng/ul	515511	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.14	3.3	ng/ul	176332	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.19	3.4	ng/ul	179292	4	17.01	1065180	20.0
10,18-Bisnorabiet...	18.29	6.2	ng/ul	330647	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.37	2.8	ng/ul	149838	4	17.01	1065180	20.0
4b,8-Dimethyl-2-i...	18.63	11.3	ng/ul	602605	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.91	3.5	ng/ul	184342	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	18.94	9.6	ng/ul	513359	4	17.01	1065180	20.0
1,1'-Biphenyl, 2,...	19.22	5.9	ng/ul	686136	5	21.22	2325510	20.0
1,1'-Biphenyl, 2,...	19.29	2.3	ng/ul	272349	5	21.22	2325510	20.0
1,1'-Biphenyl, 2,...	19.67	5.8	ng/ul	674249	5	21.22	2325510	20.0
1,1'-Biphenyl, 2,...	19.93	4.1	ng/ul	474916	5	21.22	2325510	20.0
1,1'-Biphenyl, 3,...	20.22	3.3	ng/ul	383972	5	21.22	2325510	20.0
1,1'-Biphenyl, 2,...	20.53	5.5	ng/ul	639450	5	21.22	2325510	20.0
1,1'-Biphenyl, 2,...	20.84	2.2	ng/ul	257828	5	21.22	2325510	20.0
unknown-02	20.93	2.8	ng/ul	326844	5	21.22	2325510	20.0
(DEL) Alkane: Str...	21.36	2.2	ng/ul	259603	5	21.22	2325510	20.0
(DEL) Alkane: Str...	21.79	2.0	ng/ul	233510	5	21.22	2325510	20.0
(DEL) Alkane: Str...	22.23	2.5	ng/ul	290351	5	21.22	2325510	20.0