

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
 Data File : BM001472.D
 Acq On : 30 May 2015 13:22
 Operator : TP/IZ
 Sample : G2411-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BCRB4RE

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-BM052915.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	6.575	656	661	676	rVB	289615	457527	1.42%	0.122%
2	6.722	678	686	695	rBV	223699	333946	1.04%	0.089%
3	6.910	712	718	727	rVB	310869	461463	1.43%	0.123%
4	7.375	791	797	806	rVB	875339	1326655	4.12%	0.353%
5	8.110	916	922	931	rBV	332558	510894	1.59%	0.136%
6	8.534	987	994	1001	rBV	287156	446469	1.39%	0.119%
7	9.251	1109	1116	1123	rBV	250295	402991	1.25%	0.107%
8	9.798	1202	1209	1217	rBV	356630	587616	1.82%	0.156%
9	10.157	1262	1270	1277	rBV	1220676	1932952	6.00%	0.514%
10	10.310	1289	1296	1307	rBV	193239	337924	1.05%	0.090%
11	13.480	1830	1835	1840	rBV	573050	769574	2.39%	0.204%
12	13.751	1874	1881	1894	rBV	706489	1120438	3.48%	0.298%
13	14.063	1928	1934	1941	rBV2	1709471	2457034	7.63%	0.653%
14	14.304	1969	1975	1983	rBV	208274	306543	0.95%	0.081%
15	15.063	2098	2104	2110	rBV	932299	1260918	3.92%	0.335%
16	15.204	2123	2128	2134	rBV	261732	360221	1.12%	0.096%
17	16.351	2317	2323	2328	rBV	240596	331588	1.03%	0.088%
18	16.739	2385	2389	2395	rVB	242359	311178	0.97%	0.083%
19	16.815	2396	2402	2406	rBV	2200528	3070352	9.54%	0.816%
20	16.857	2406	2409	2414	rVV	1078590	1426226	4.43%	0.379%
21	16.915	2414	2419	2422	rVV	955653	1386721	4.31%	0.368%
22	16.945	2422	2424	2429	rVV	358681	437528	1.36%	0.116%
23	16.998	2429	2433	2441	rVB	659757	917762	2.85%	0.244%
24	17.427	2497	2506	2512	rVB	2701320	3693350	11.47%	0.981%
25	17.539	2520	2525	2531	rVB3	313364	482811	1.50%	0.128%
26	17.668	2542	2547	2553	rBV2	936617	1403173	4.36%	0.373%
27	17.733	2553	2558	2567	rVV3	586095	1006052	3.12%	0.267%
28	17.898	2578	2586	2592	rVV	5491494	7433883	23.09%	1.975%
29	17.956	2592	2596	2599	rVV	1722942	2218115	6.89%	0.589%
30	17.998	2599	2603	2609	rVB	834451	1078498	3.35%	0.287%
31	18.180	2628	2634	2639	rVV	2868374	3937338	12.23%	1.046%
32	18.227	2639	2642	2647	rVV2	683964	988735	3.07%	0.263%
33	18.286	2647	2652	2655	rVV	623175	917742	2.85%	0.244%
34	18.321	2655	2658	2661	rVV	587847	789145	2.45%	0.210%

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Integration Parameters: LSCINT.P

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
 Title : SVOA CALIBRATION

35	18.356	2661	2664	2671	rVB	1564716	2093349	6.50%	0.556%
36	18.456	2677	2681	2686	rVB2	353516	513633	1.60%	0.136%
37	18.615	2703	2708	2714	rBV4	231302	462180	1.44%	0.123%
38	18.680	2714	2719	2723	rVV	2041812	2881975	8.95%	0.766%
39	18.762	2723	2733	2741	rVB2	11506381	23358818	72.54%	6.207%
40	18.839	2741	2746	2750	rBV	1528946	1843985	5.73%	0.490%
41	18.892	2750	2755	2762	rVB	2305546	3156850	9.80%	0.839%
42	18.974	2763	2769	2776	rBV3	3594202	7247727	22.51%	1.926%
43	19.056	2776	2783	2788	rVV	15880055	26382656	81.93%	7.011%
44	19.115	2788	2793	2800	rVB	6558894	7873028	24.45%	2.092%
45	19.180	2800	2804	2807	rBV	238071	278448	0.86%	0.074%
46	19.233	2807	2813	2815	rVV	2197349	3140638	9.75%	0.835%
47	19.256	2815	2817	2821	rVV	1862827	2263291	7.03%	0.601%
48	19.309	2821	2826	2832	rVV	5847511	7102002	22.06%	1.887%
49	19.392	2832	2840	2844	rVV	10041130	12713802	39.48%	3.378%
50	19.439	2844	2848	2851	rVV	3161982	3754223	11.66%	0.998%
51	19.509	2851	2860	2863	rVV	18977638	28421773	88.26%	7.552%
52	19.545	2863	2866	2870	rVB	825777	921802	2.86%	0.245%
53	19.621	2870	2879	2881	rBV3	2254525	3400113	10.56%	0.904%
54	19.662	2884	2886	2892	rVV	1858937	2978689	9.25%	0.792%
55	19.715	2892	2895	2898	rVV	1266590	1634622	5.08%	0.434%
56	19.768	2898	2904	2908	rVV2	11719283	16224247	50.38%	4.311%
57	19.827	2908	2914	2918	rVV	19372875	25621941	79.57%	6.808%
58	19.892	2918	2925	2928	rVV2	1462092	1939649	6.02%	0.515%
59	19.968	2928	2938	2942	rVB3	2476218	4368905	13.57%	1.161%
60	20.050	2946	2952	2956	rBV	12901972	17412040	54.07%	4.627%
61	20.097	2956	2960	2962	rVV2	7084182	9132074	28.36%	2.427%
62	20.127	2962	2965	2970	rVB	10772957	12134077	37.68%	3.224%
63	20.197	2971	2977	2982	rBV	3885519	4690708	14.57%	1.246%
64	20.262	2982	2988	2990	rVV2	1346772	1659477	5.15%	0.441%
65	20.292	2990	2993	2997	rVV2	1822054	2169070	6.74%	0.576%
66	20.368	2997	3006	3012	rVV	16867744	32200682	100.00%	8.557%
67	20.445	3015	3019	3025	rVV	1519740	1952320	6.06%	0.519%
68	20.509	3026	3030	3036	rVB3	1328133	1802339	5.60%	0.479%
69	20.568	3036	3040	3049	rVB3	746242	1109043	3.44%	0.295%
70	20.668	3051	3057	3061	rBV2	6840329	8624431	26.78%	2.292%
71	20.715	3061	3065	3068	rVV	337983	513016	1.59%	0.136%

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72	20.774	3068	3075	3078	rVV3	1715688	2997824	9.31%	0.797%
73	20.803	3078	3080	3082	rVV	438918	565064	1.75%	0.150%
74	20.827	3082	3084	3090	rVB	957082	1108356	3.44%	0.295%
75	20.886	3090	3094	3096	rBV2	665151	853792	2.65%	0.227%
76	20.915	3096	3099	3103	rVV	3627098	3993758	12.40%	1.061%
77	20.962	3103	3107	3113	rVV2	1270212	1965050	6.10%	0.522%
78	21.027	3113	3118	3121	rVV2	3230984	4860422	15.09%	1.292%
79	21.062	3121	3124	3131	rVV	4507752	5030359	15.62%	1.337%
80	21.192	3141	3146	3150	rBV3	315964	503621	1.56%	0.134%
81	21.368	3166	3176	3181	rBV3	2524359	3416406	10.61%	0.908%
82	21.486	3192	3196	3199	rBV2	284544	360246	1.12%	0.096%
83	21.609	3213	3217	3222	rBV2	479460	745253	2.31%	0.198%
84	22.033	3282	3289	3299	rVB2	407449	889057	2.76%	0.236%
85	22.150	3306	3309	3316	rVB3	191290	296350	0.92%	0.079%
86	22.244	3321	3325	3335	rBV4	187005	394646	1.23%	0.105%
87	22.497	3363	3368	3372	rVV	1511353	2611931	8.11%	0.694%
88	22.538	3372	3375	3384	rVB2	851132	1296522	4.03%	0.345%
89	22.938	3438	3443	3447	rBV	504163	871883	2.71%	0.232%
90	22.986	3447	3451	3454	rVV2	844182	1483921	4.61%	0.394%
91	23.021	3454	3457	3464	rVB2	850802	1393223	4.33%	0.370%
92	23.115	3467	3473	3478	rVV	1836306	3177653	9.87%	0.844%
93	23.156	3478	3480	3488	rVB2	217465	367488	1.14%	0.098%
94	23.591	3549	3554	3563	rVB	853730	1662938	5.16%	0.442%
95	24.268	3663	3669	3677	rVB2	237009	499320	1.55%	0.133%
96	25.044	3794	3801	3807	rBV	327794	831277	2.58%	0.221%
97	25.168	3816	3822	3832	rVB2	405730	1060043	3.29%	0.282%
98	25.791	3922	3928	3935	rBV3	243290	641263	1.99%	0.170%
99	25.868	3936	3941	3950	rVB4	235162	604217	1.88%	0.161%
100	28.791	4426	4438	4465	rVB10	564272	2961394	9.20%	0.787%

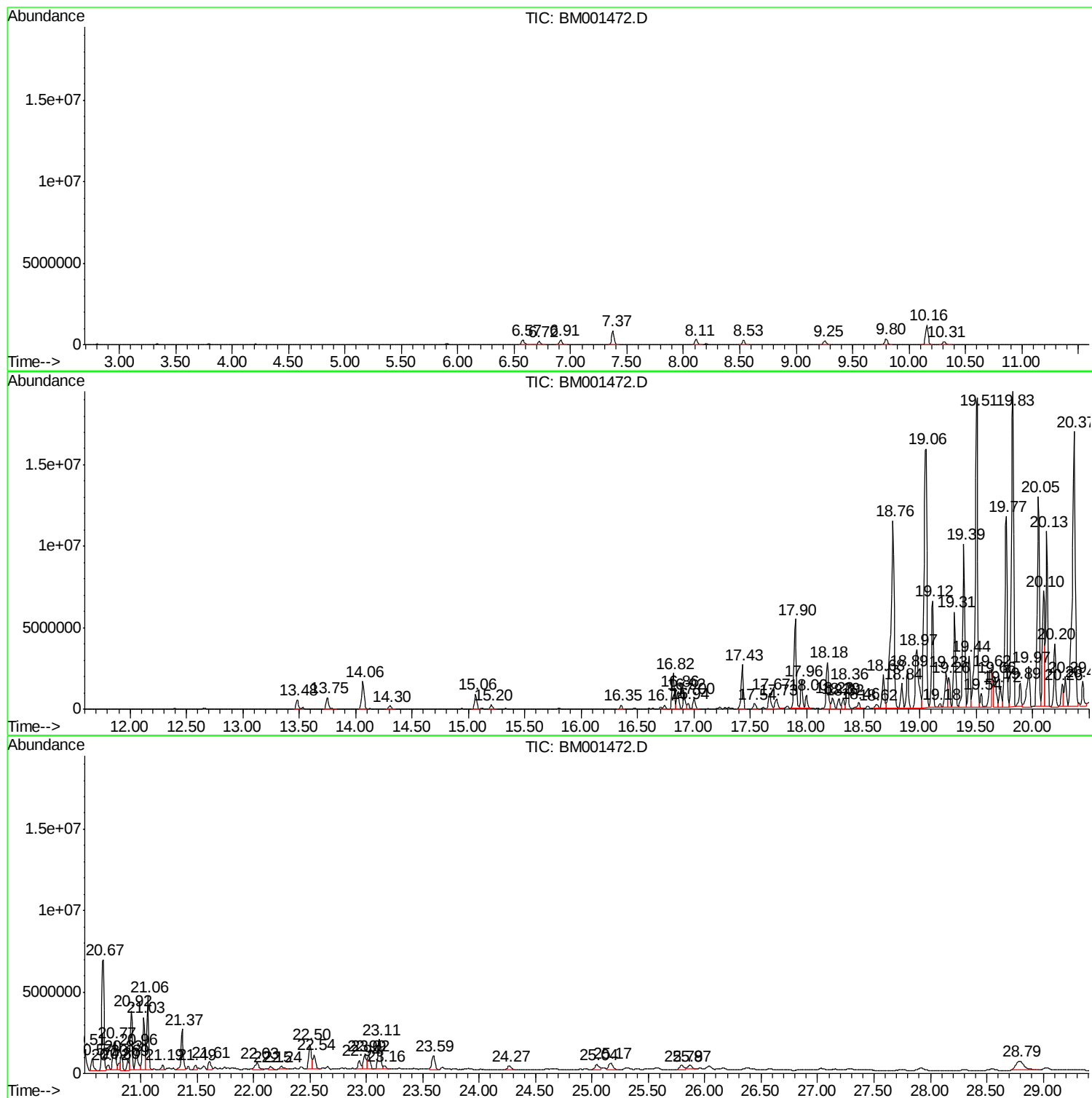
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION

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



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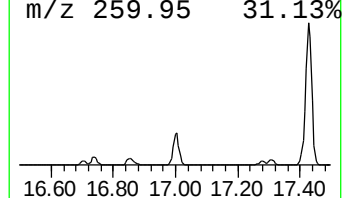
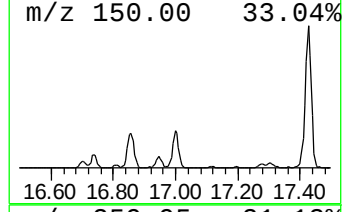
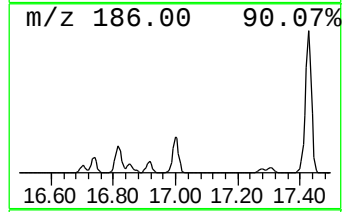
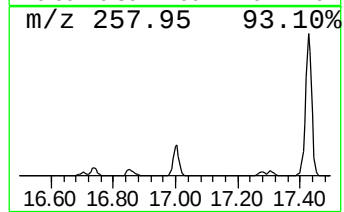
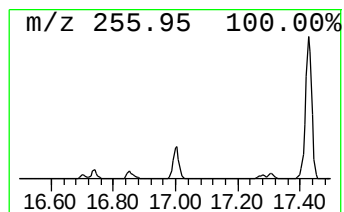
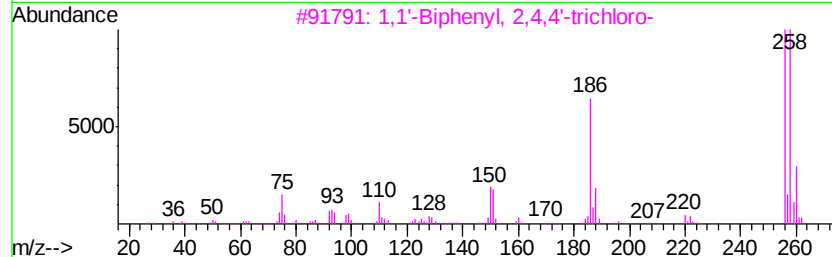
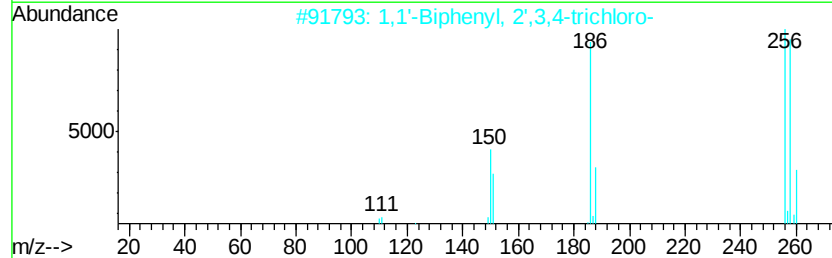
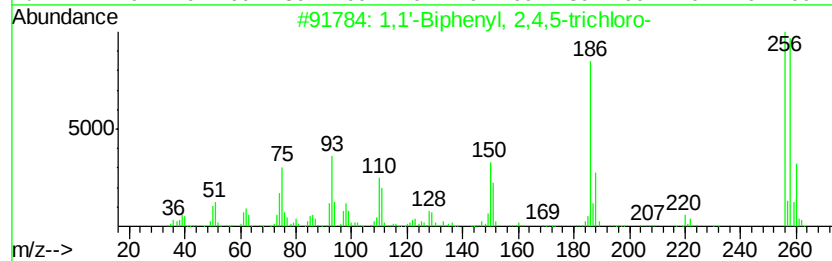
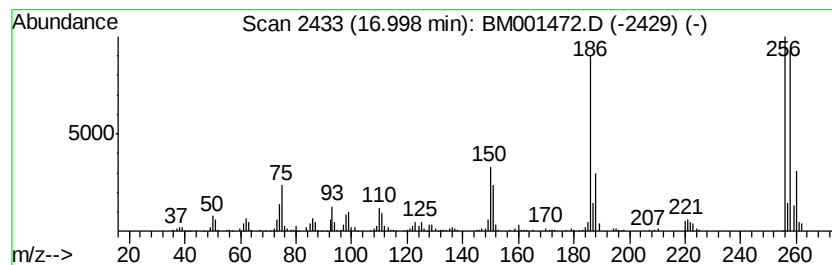
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,1'-Biphenyl, 2,4,5-trichl... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	5.98 ng/ul	917762	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
2			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
4			1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
5			1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97



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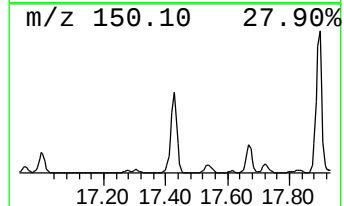
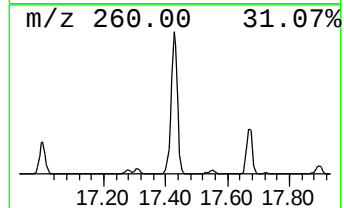
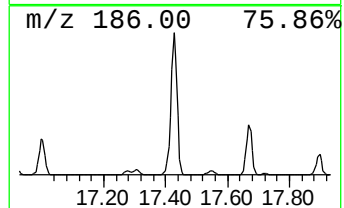
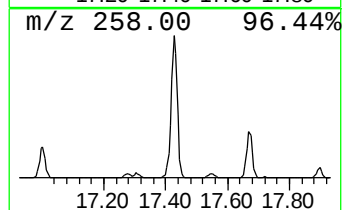
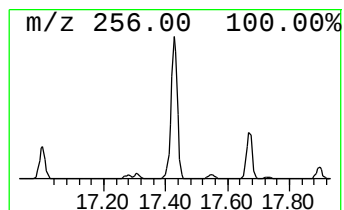
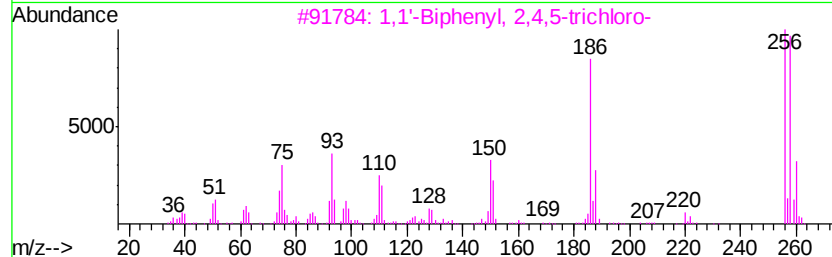
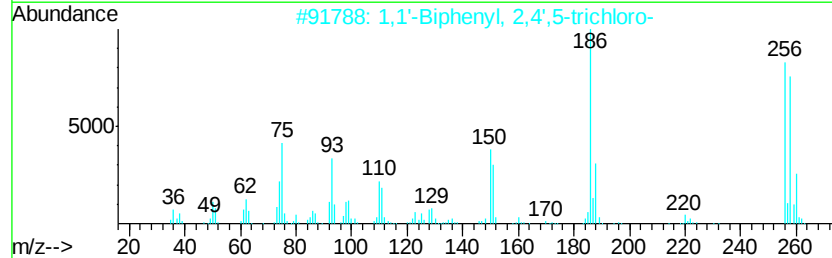
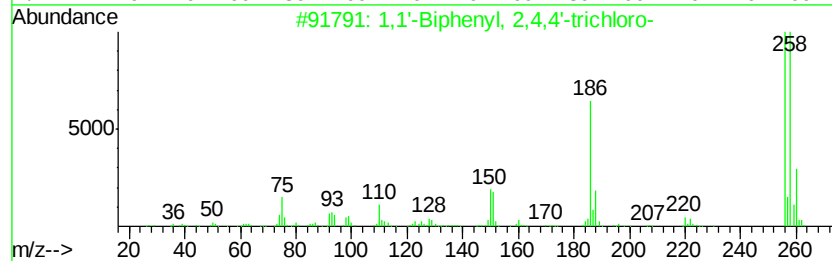
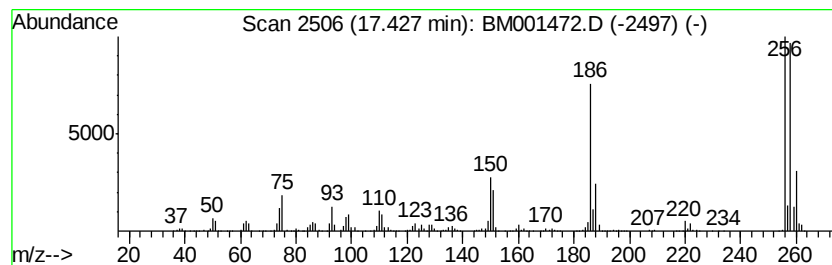
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Peak Number 2 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	24.06 ng/ul	3693350	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2		1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3		1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
4		1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
5		1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98



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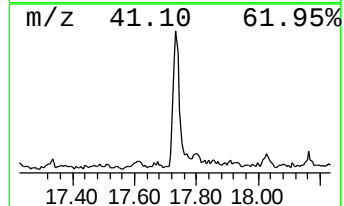
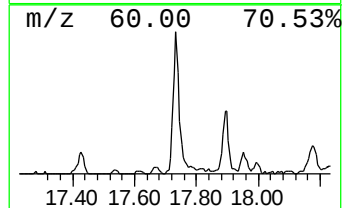
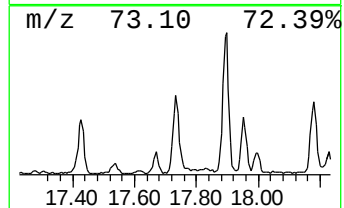
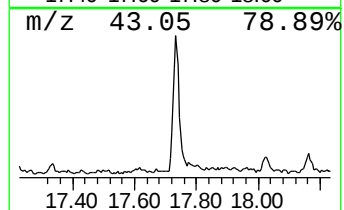
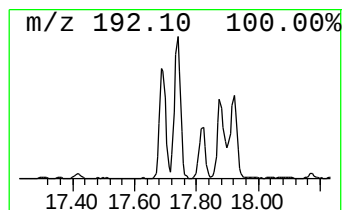
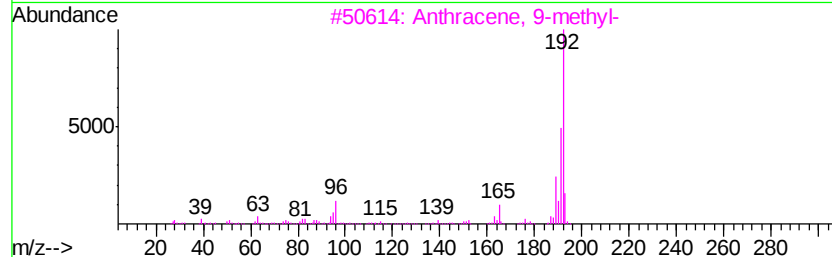
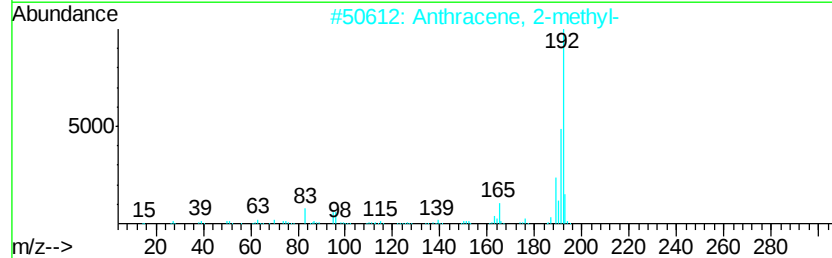
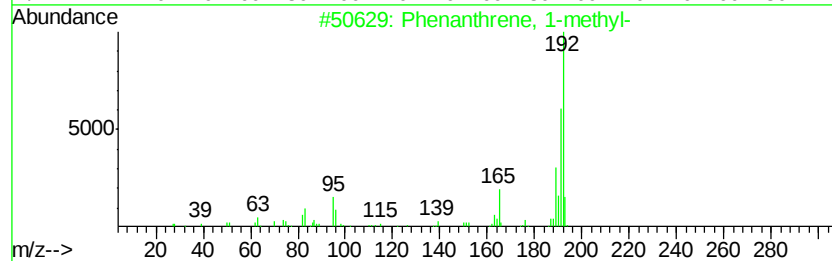
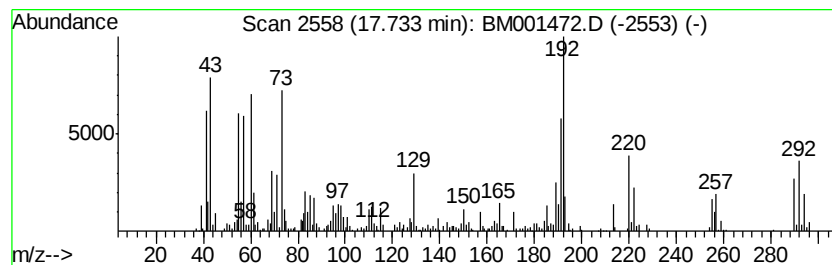
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	6.55 ng/ul	1006050	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

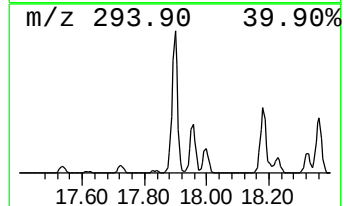
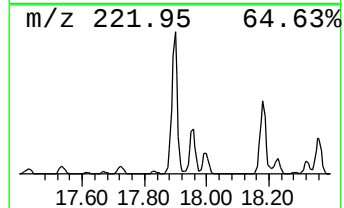
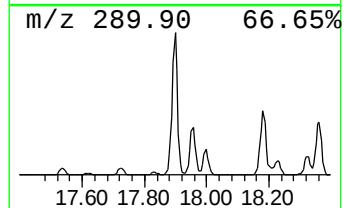
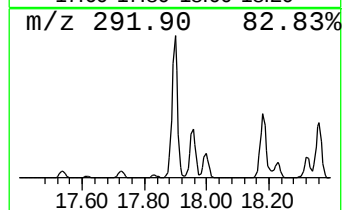
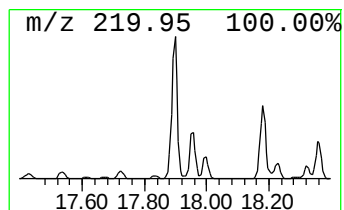
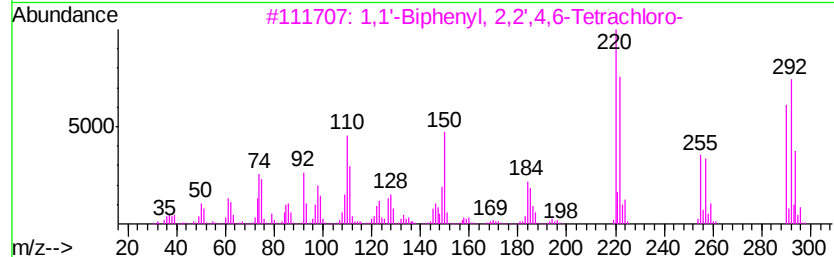
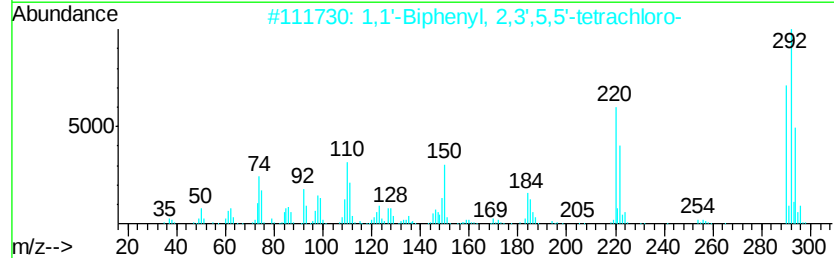
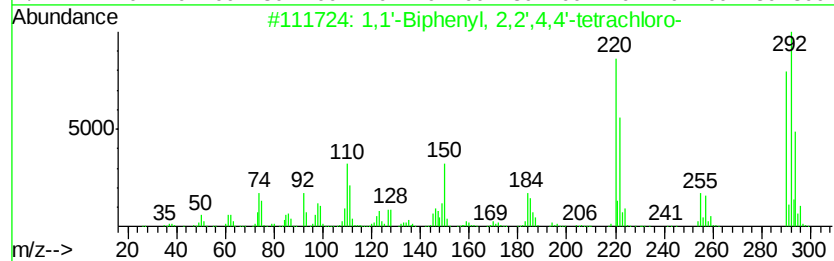
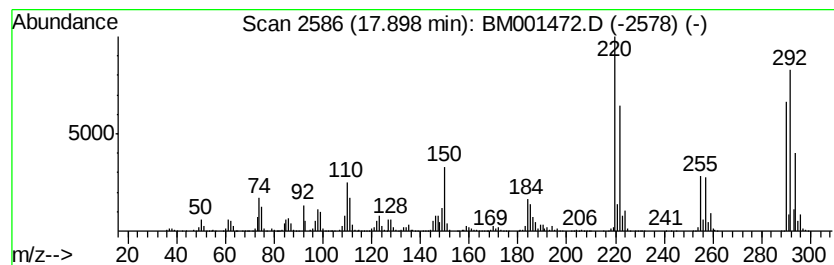
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	48.42 ng/ul	7433880	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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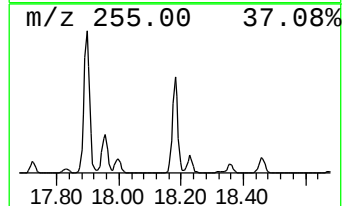
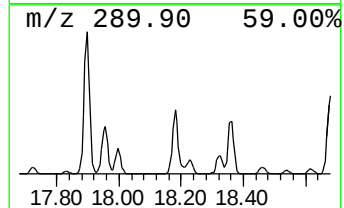
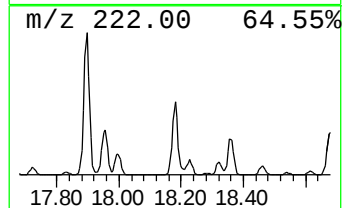
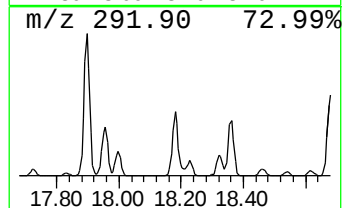
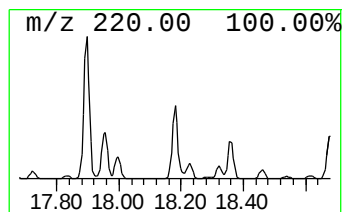
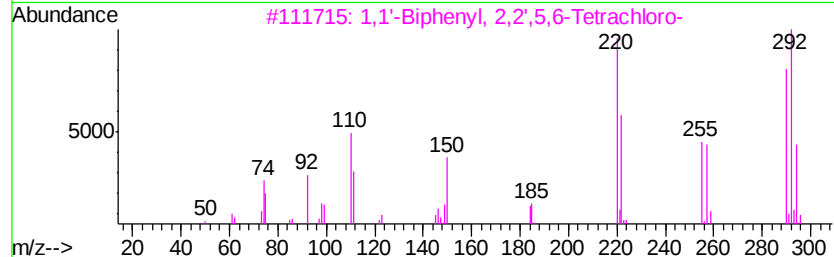
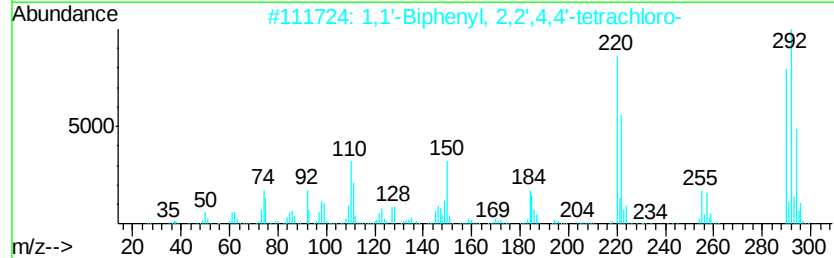
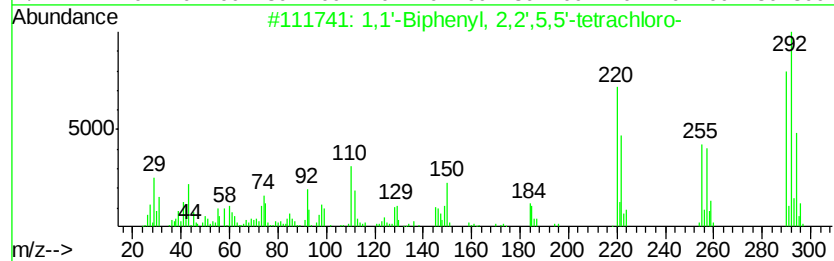
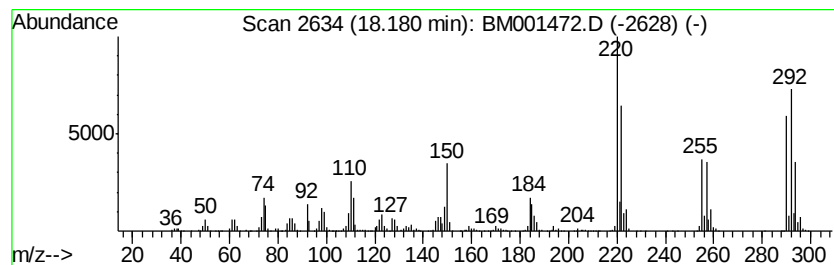
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	25.65 ng/ul	3937340	Phenanthrene-d10	16.82

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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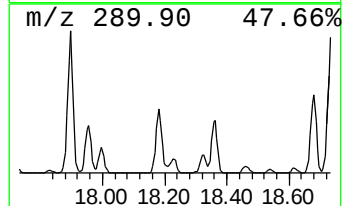
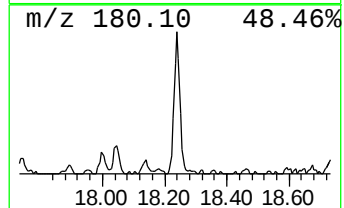
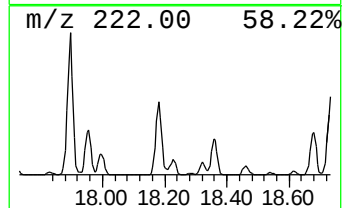
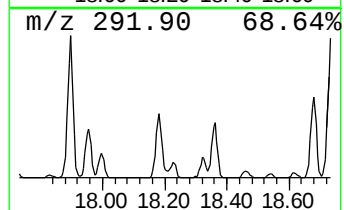
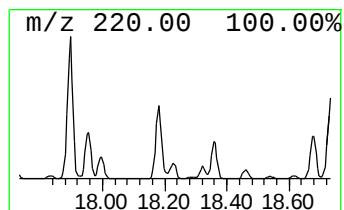
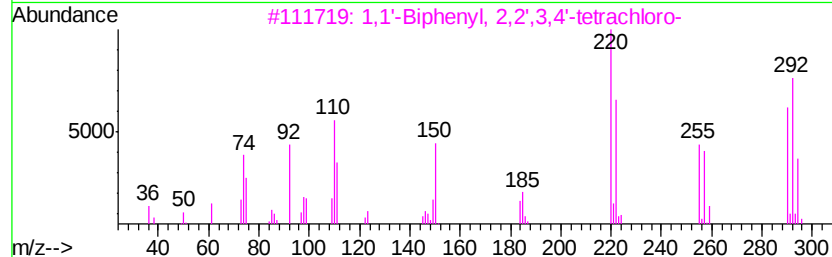
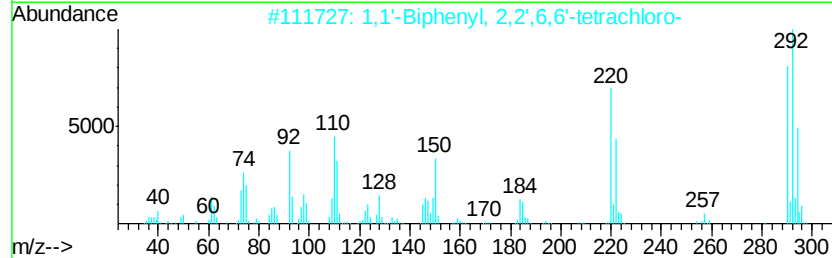
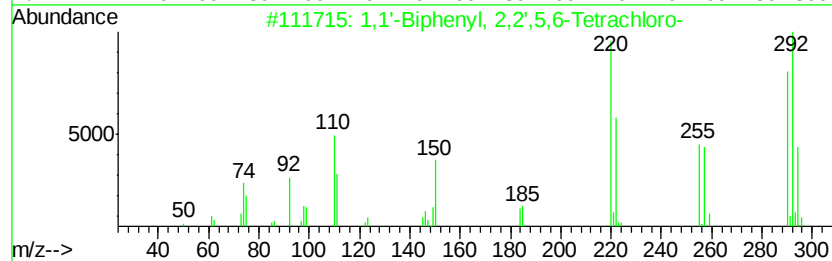
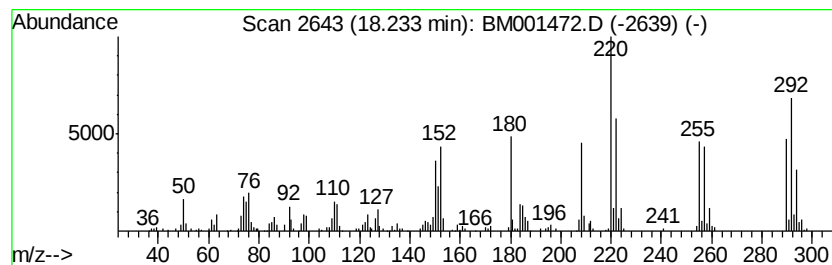
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	6.44 ng/ul	988735	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2			1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3			1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
4			1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5			1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	97



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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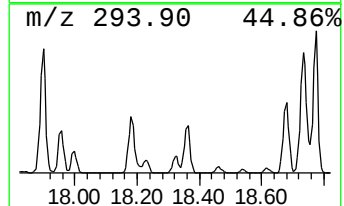
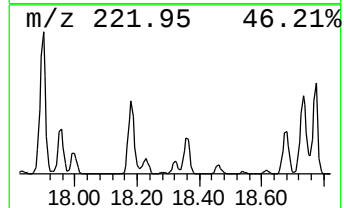
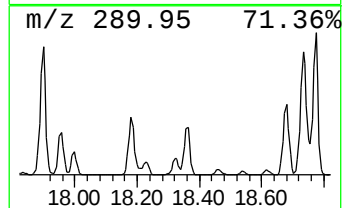
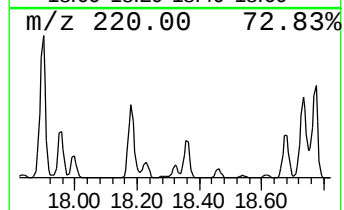
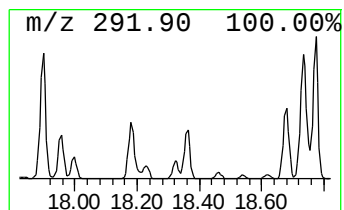
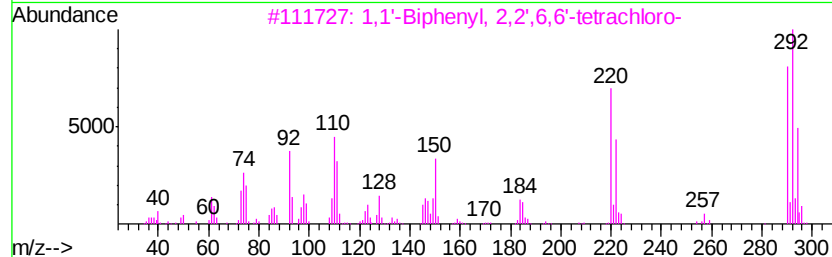
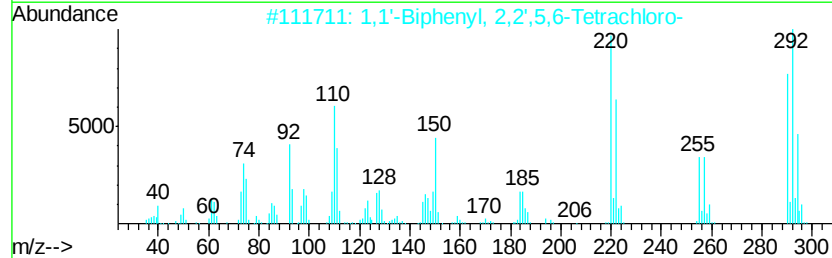
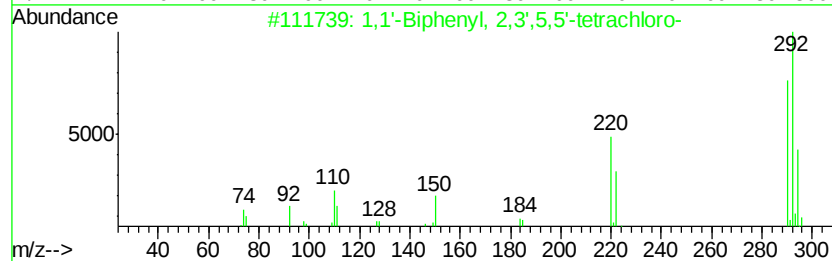
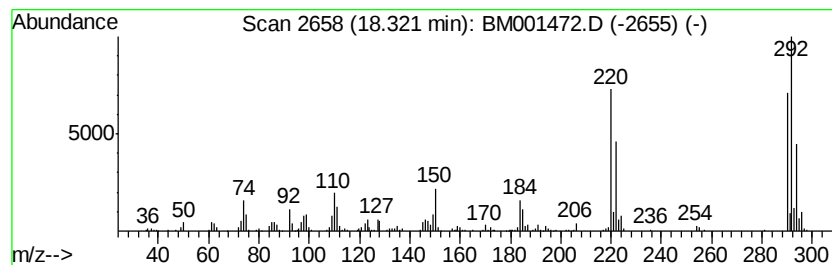
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.14 ng/ul	789145	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2			1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3			1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4			1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
5			1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

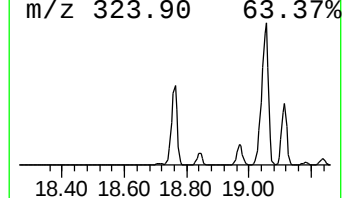
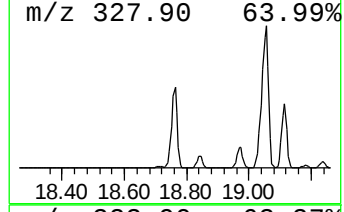
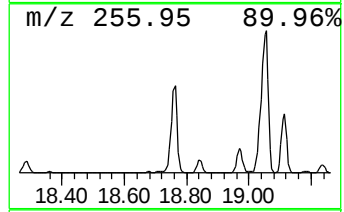
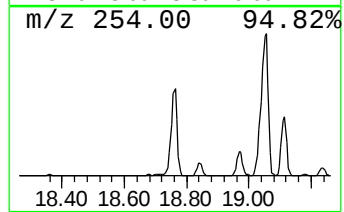
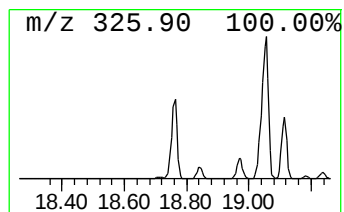
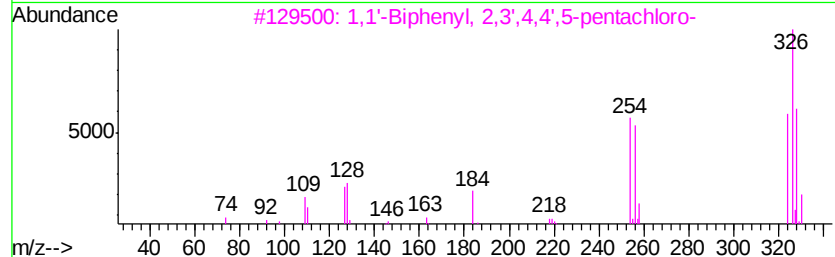
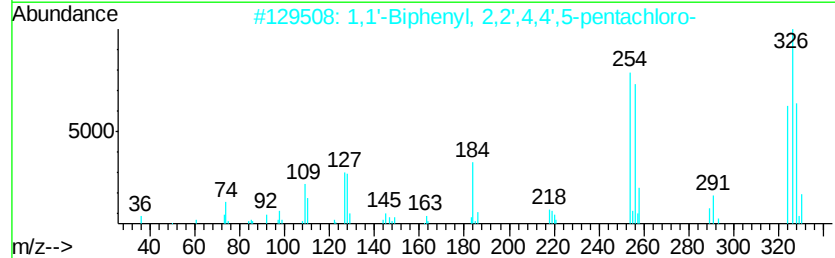
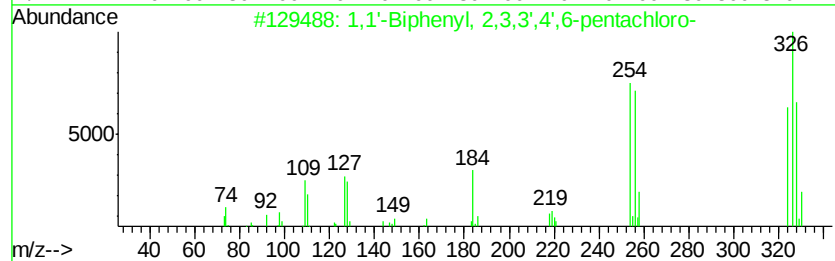
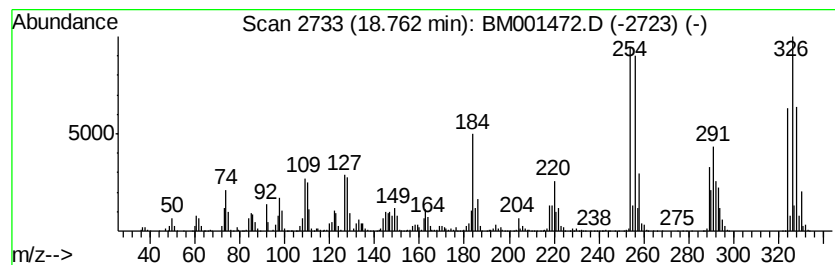
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.76	152.16 ng/ul	23358800	Phenanthrene-d10	16.82		
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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl,	2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl,	2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
5	1,1'-Biphenyl,	2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
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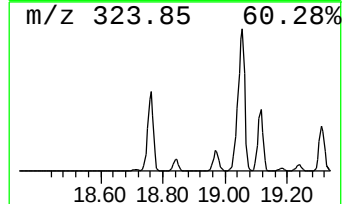
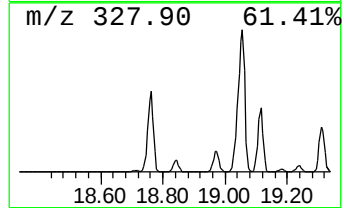
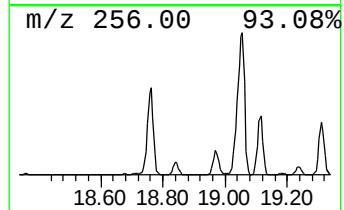
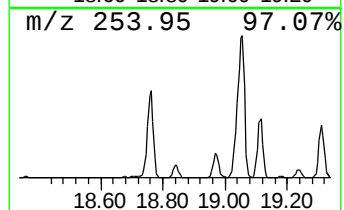
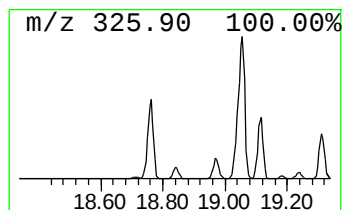
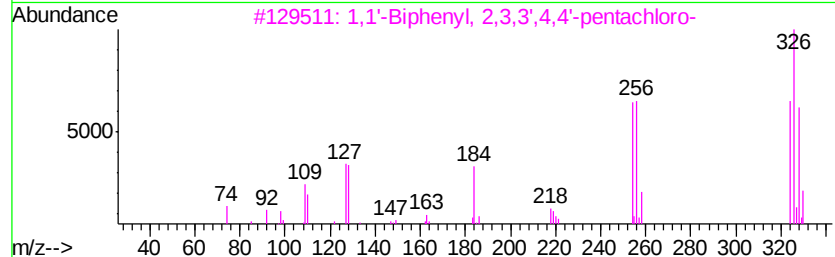
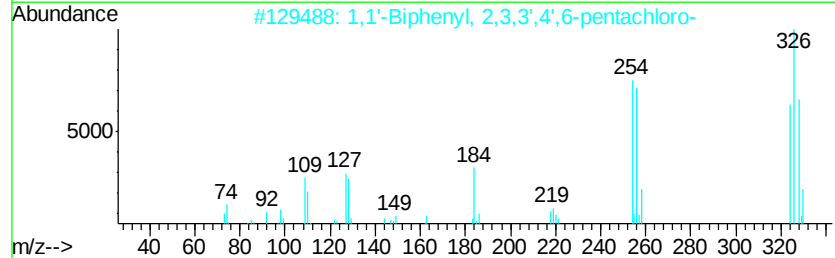
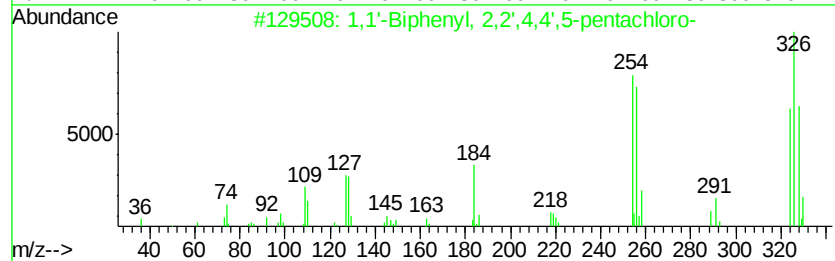
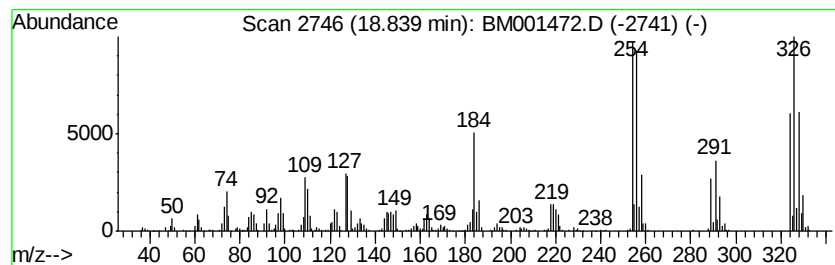
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	12.01 ng/ul	1843990	Phenanthrene-d10	16.82

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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

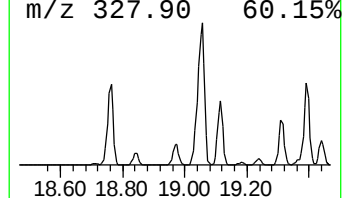
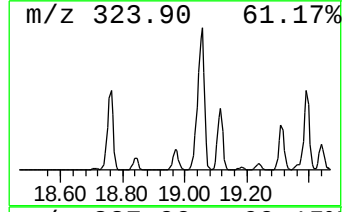
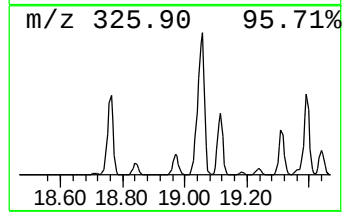
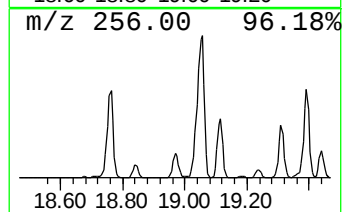
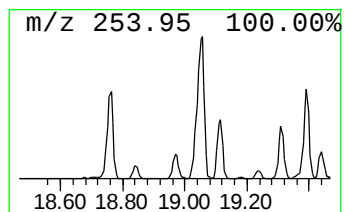
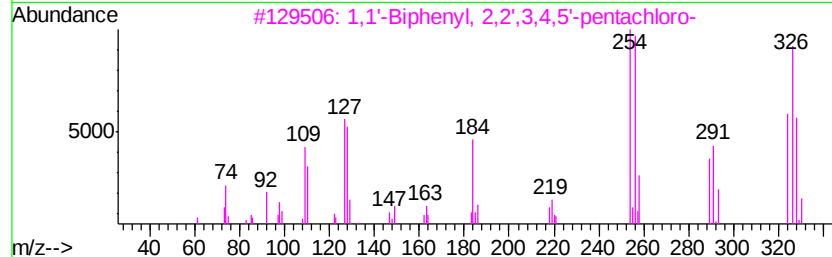
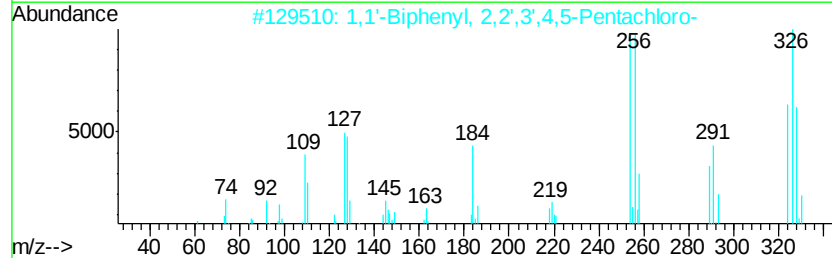
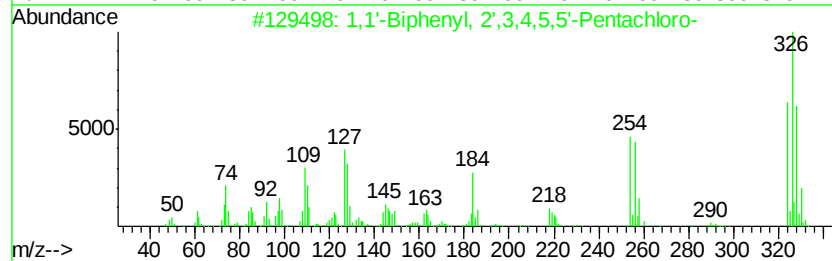
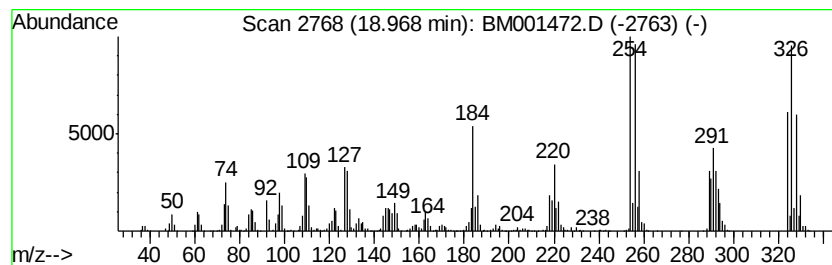
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	29.82 ng/ul	7247730	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	98
2		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
3		1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	98
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\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

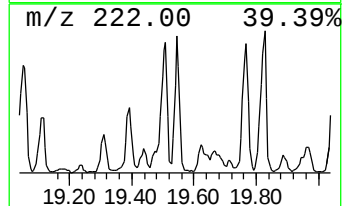
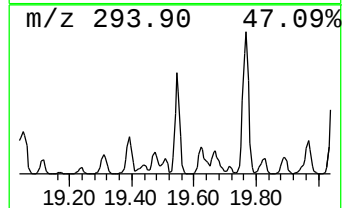
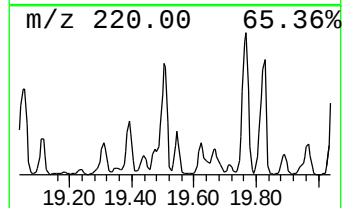
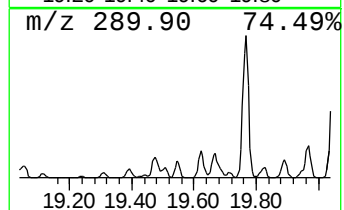
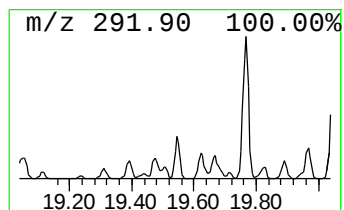
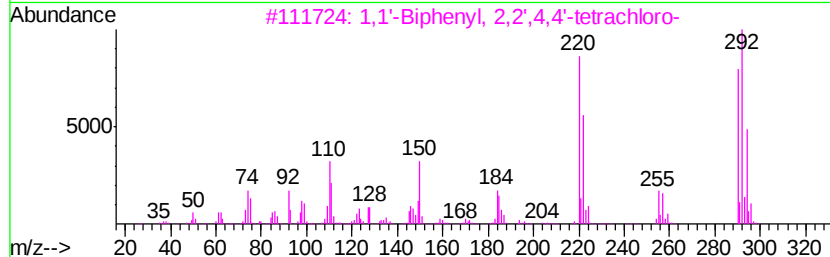
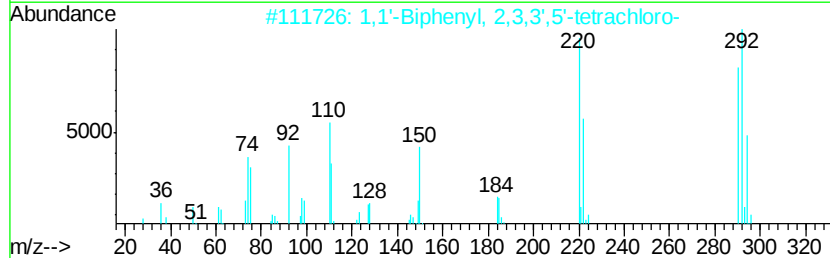
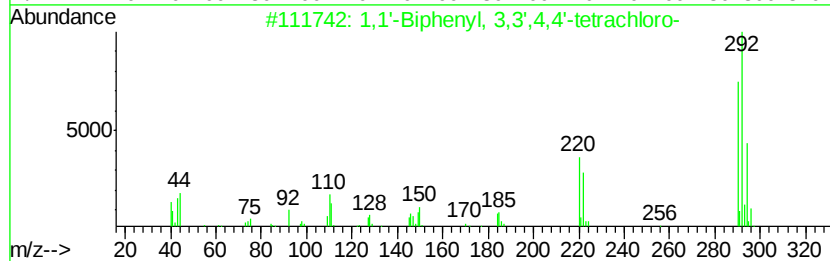
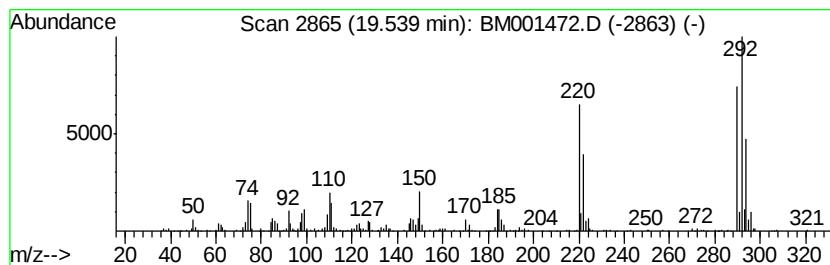
Instrument :
BNA_M
ClientSampleId :
BCRB4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.54	3.79 ng/ul	921802	Chrysene-d12	21.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl,	2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

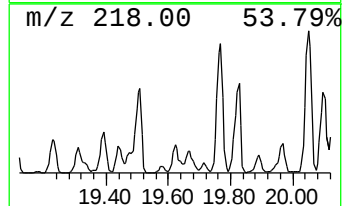
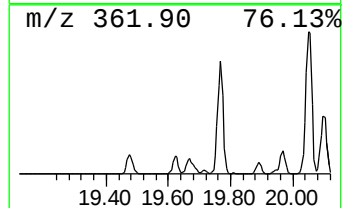
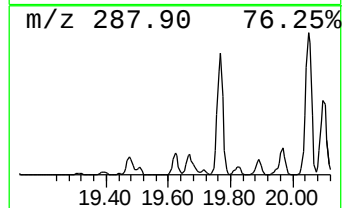
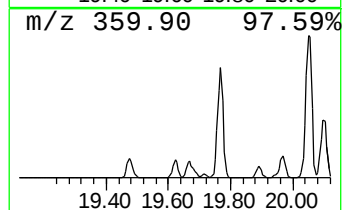
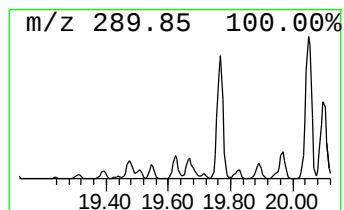
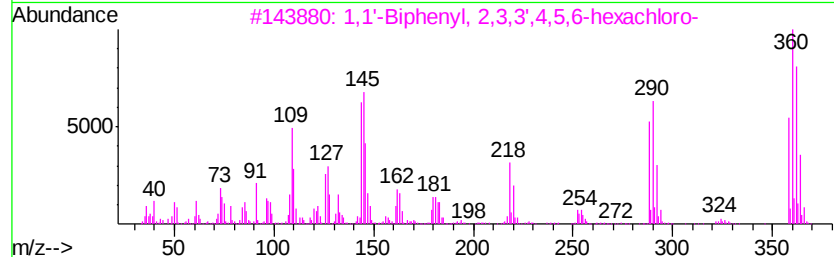
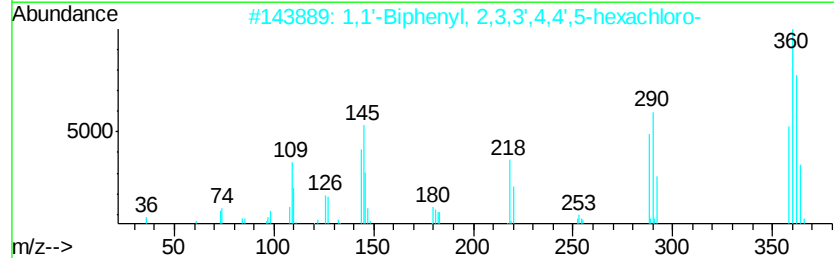
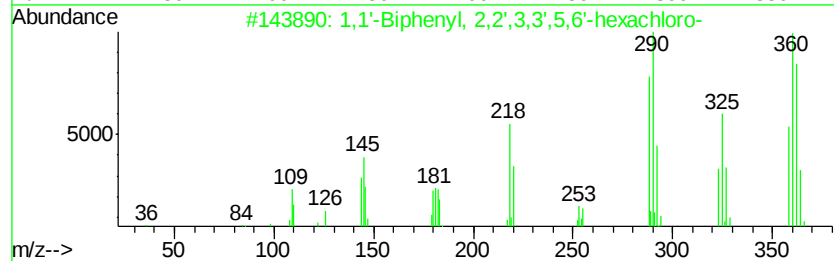
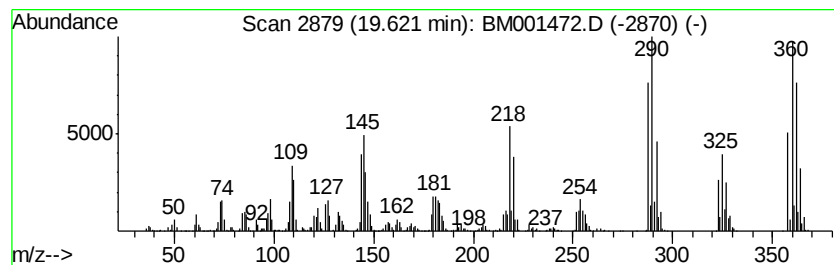
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	13.99 ng/ul	3400110	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	99
2		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

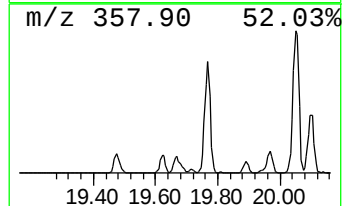
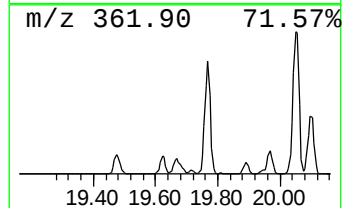
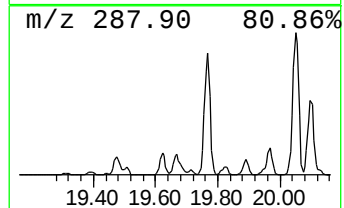
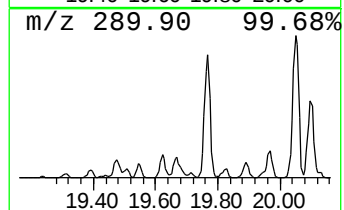
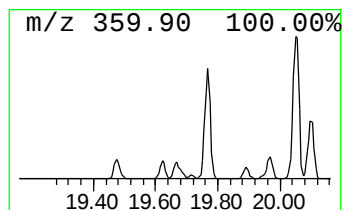
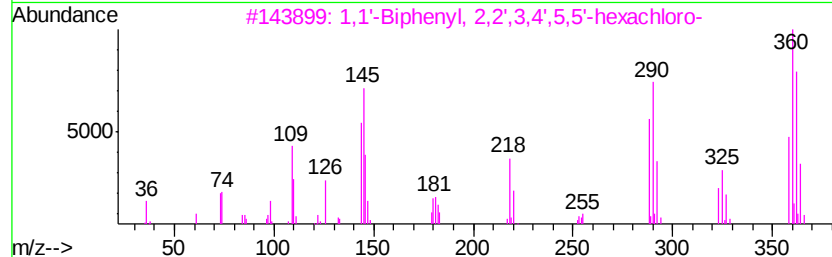
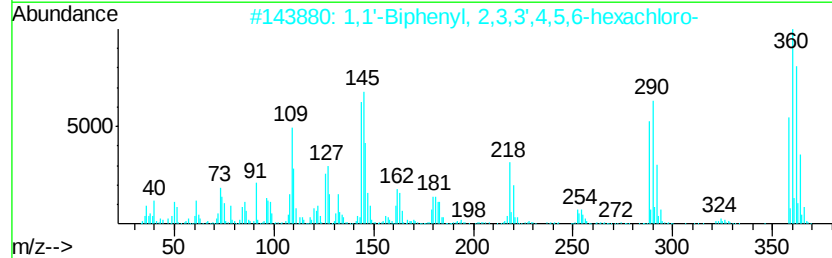
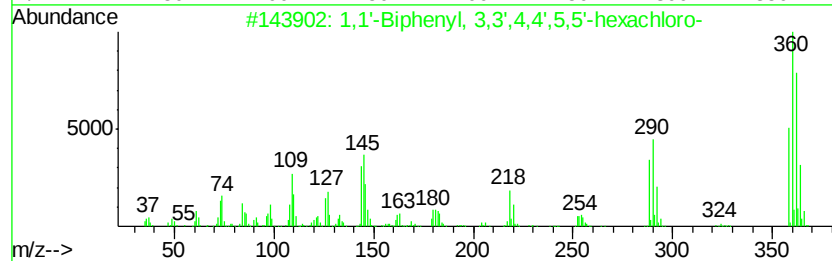
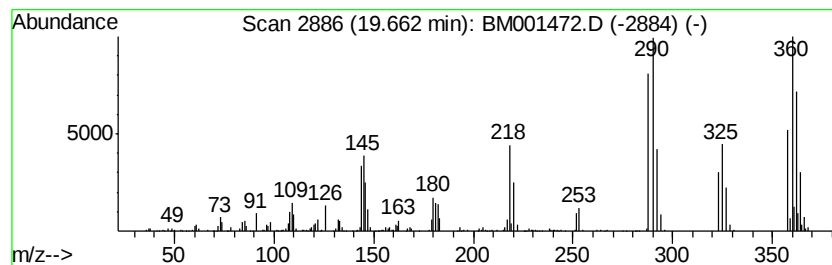
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	12.26 ng/ul	2978690	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
5		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

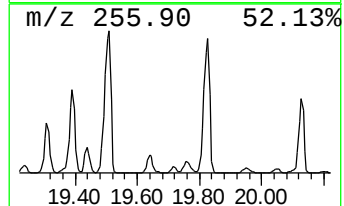
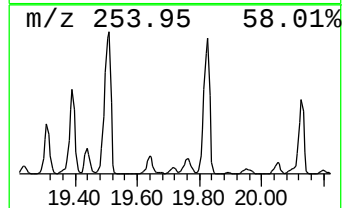
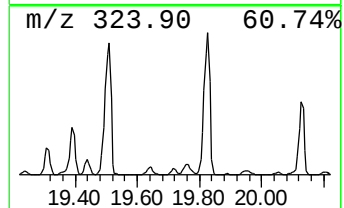
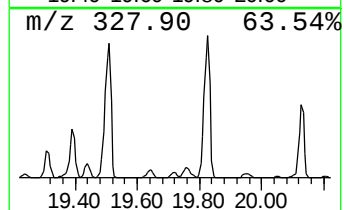
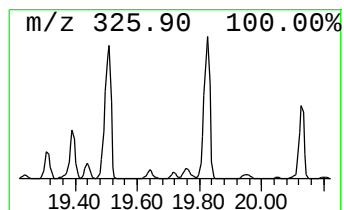
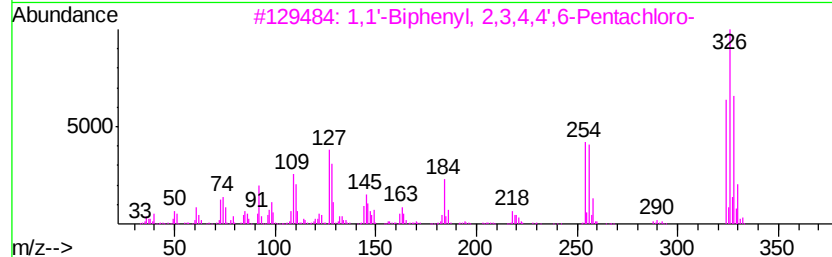
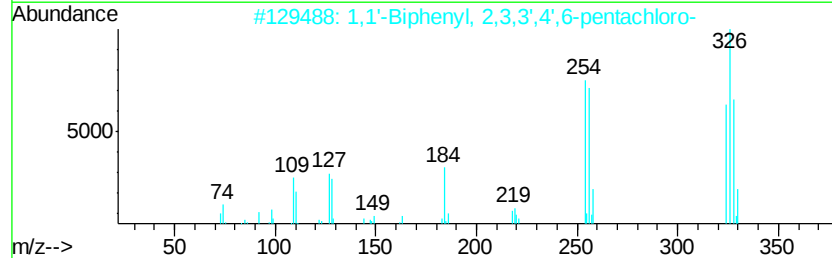
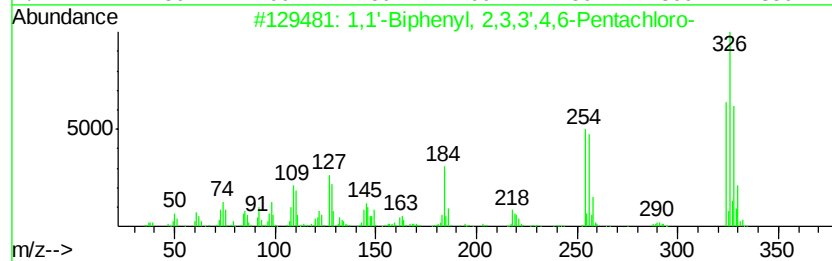
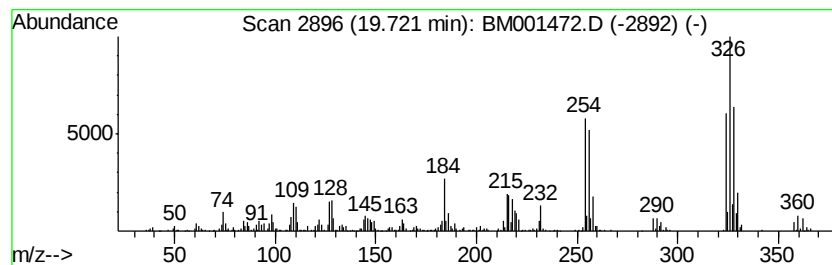
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 1,1'-Biphenyl, 2,3,3',4,6-P... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	6.73 ng/ul	1634620	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	99
4		1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
5		1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BCRB4RE

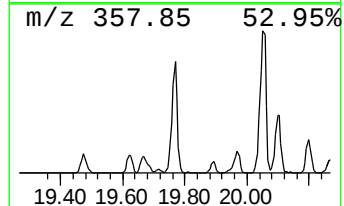
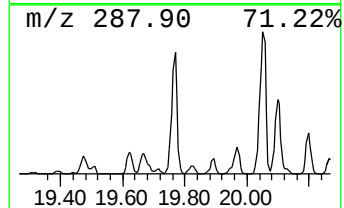
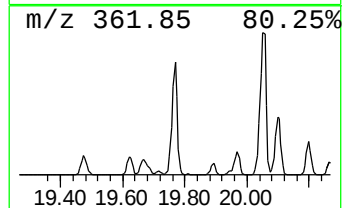
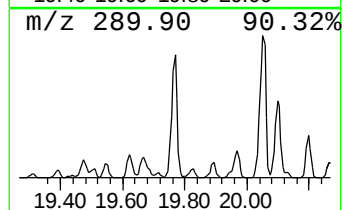
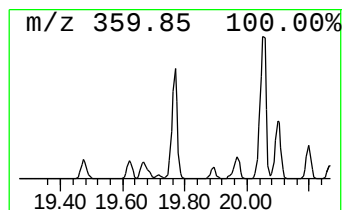
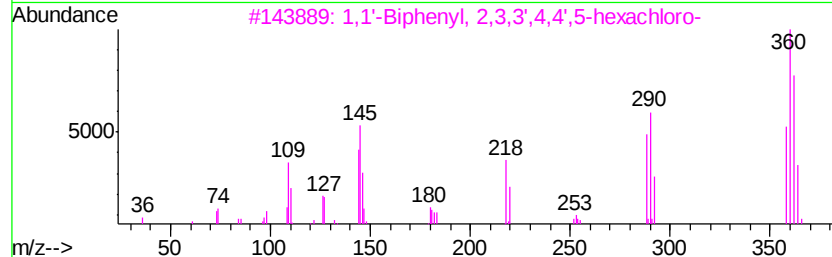
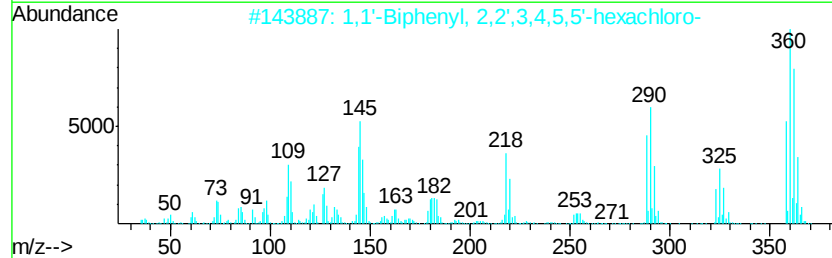
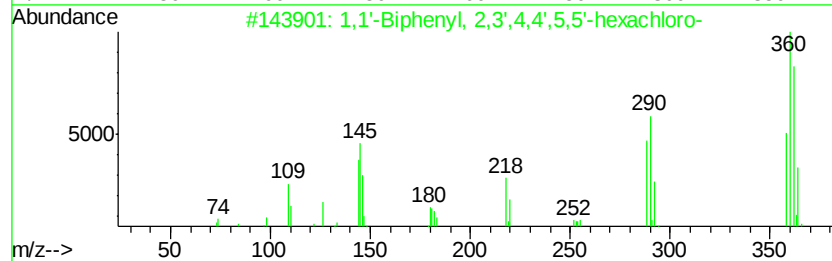
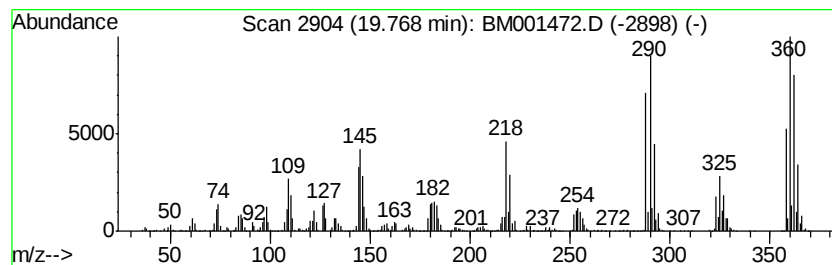
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	66.76 ng/ul	16224200	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

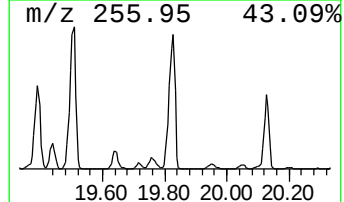
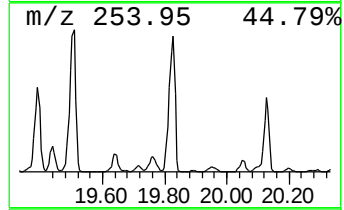
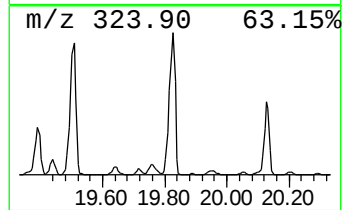
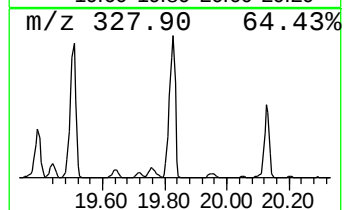
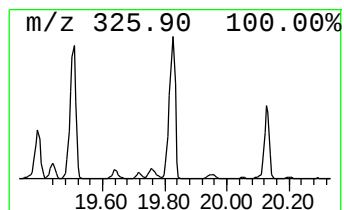
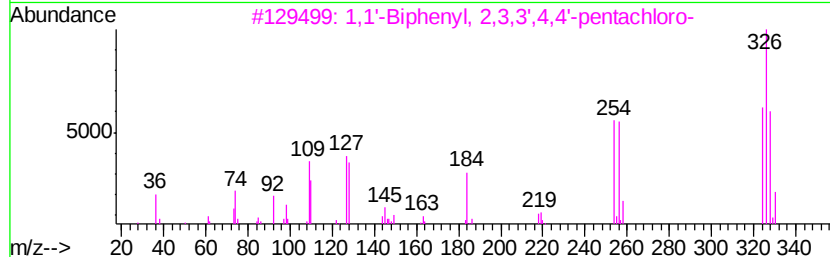
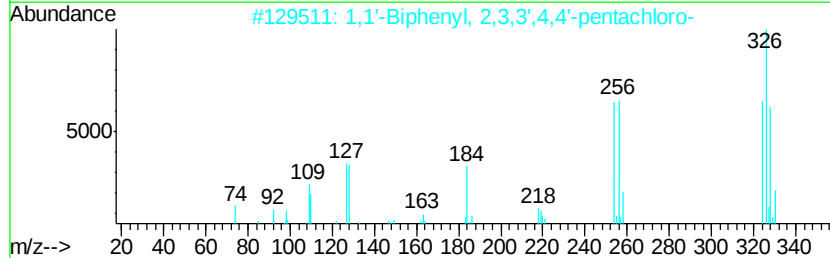
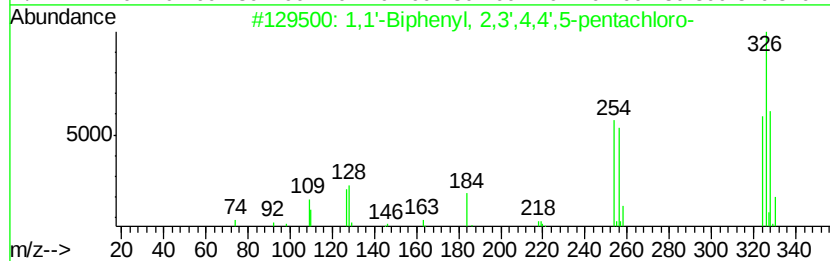
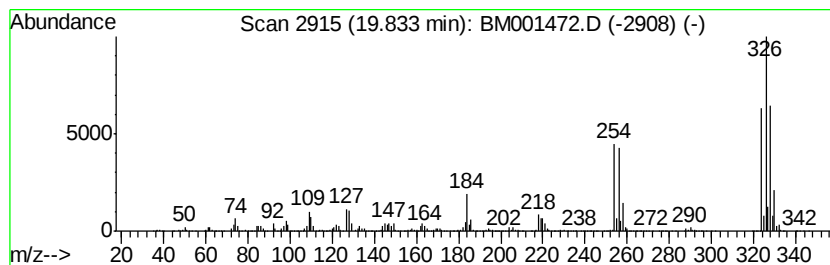
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	105.43 ng/ul	25621900	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

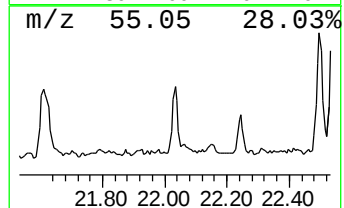
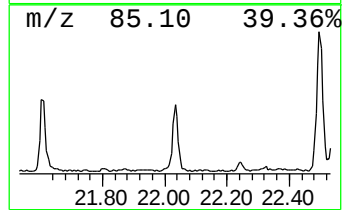
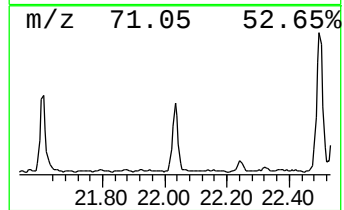
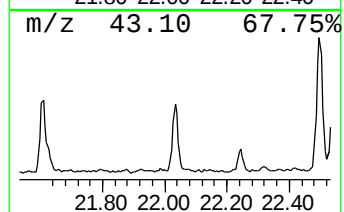
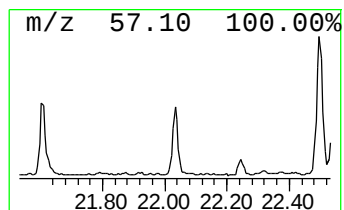
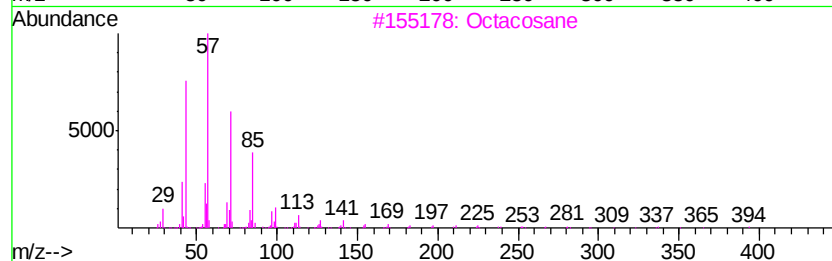
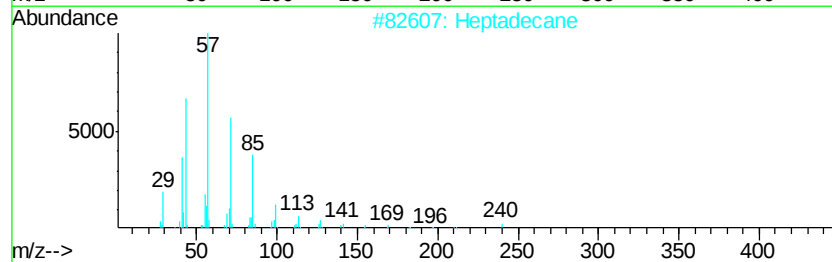
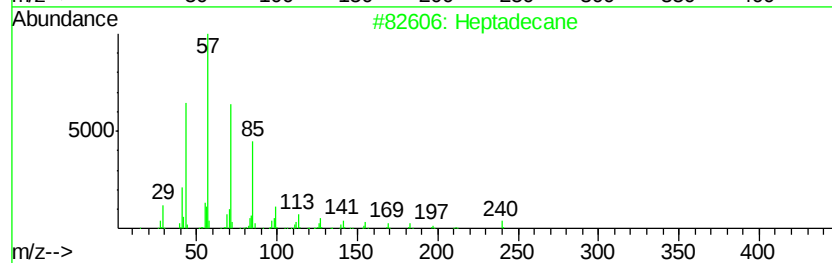
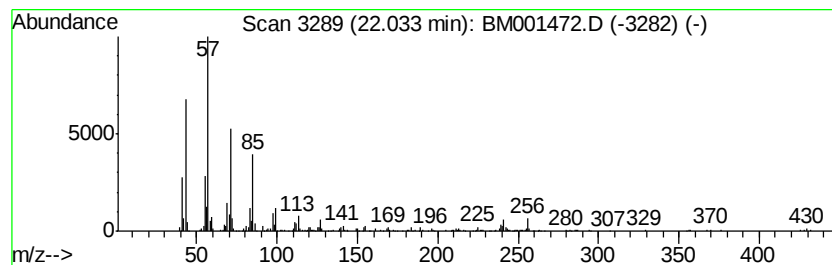
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Quant Title : SVOA CALIBRATION

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.03	3.66 ng/ul	889057	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	96
2		Heptadecane	240	C17H36	000629-78-7	91
3		Octacosane	394	C28H58	000630-02-4	90
4		Tetracosane	338	C24H50	000646-31-1	87
5		Hexatriacontane	507	C36H74	000630-06-8	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

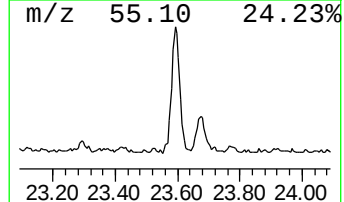
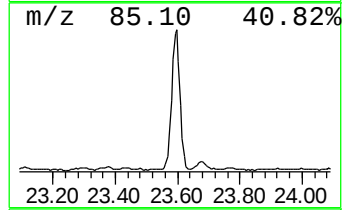
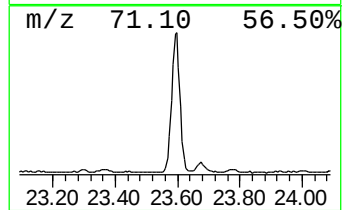
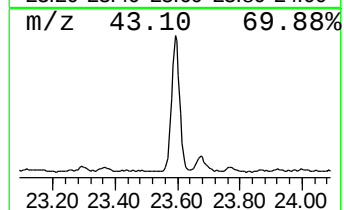
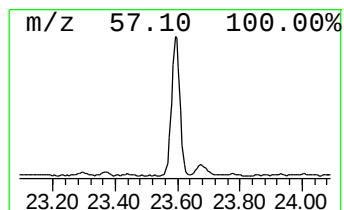
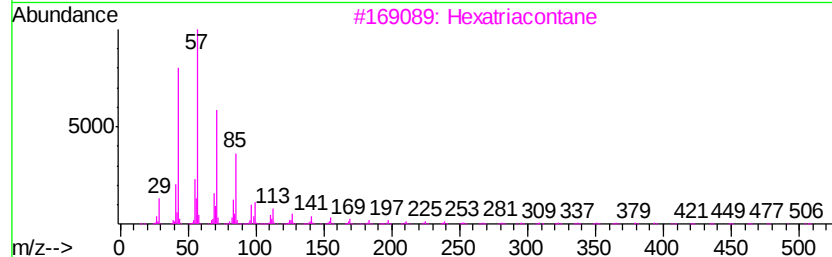
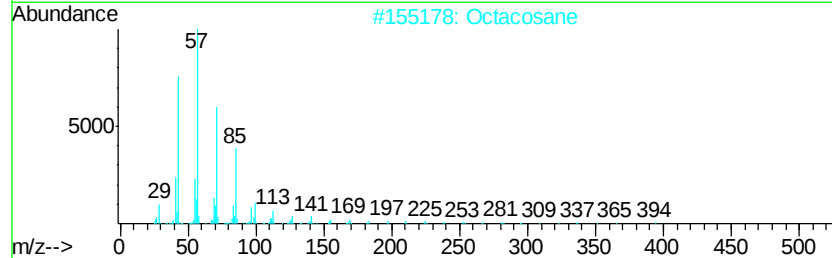
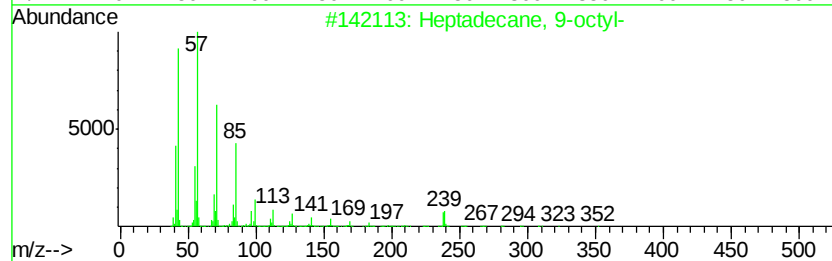
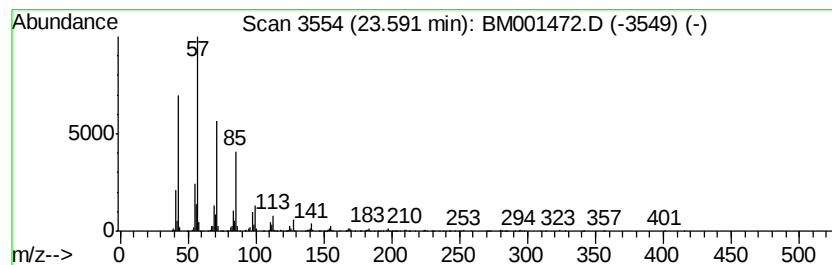
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Quant Title : SVOA CALIBRATION

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.59	10.47 ng/ul	1662940	Perylene-d12	23.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Hexatriacontane	507	C36H74	000630-06-8	91
4		Tetratetracontane	619	C44H90	007098-22-8	91
5		Tetracosane	338	C24H50	000646-31-1	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
Data File : BM001472.D
Acq On : 30 May 2015 13:22
Operator : TP/IZ
Sample : G2411-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCRB4RE

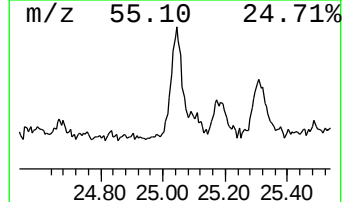
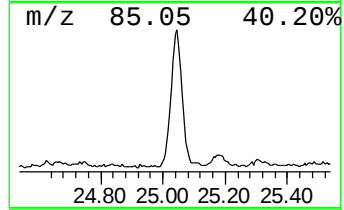
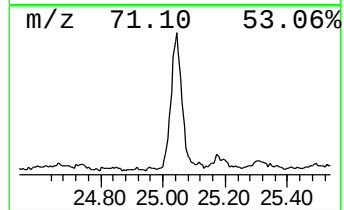
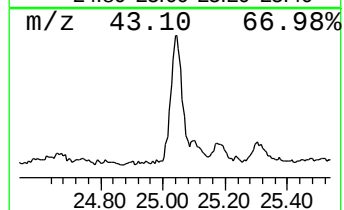
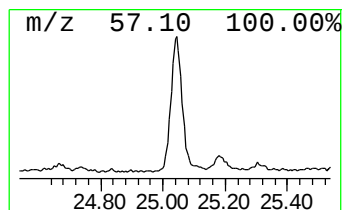
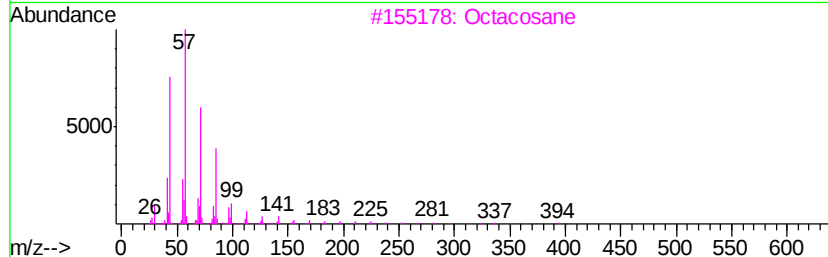
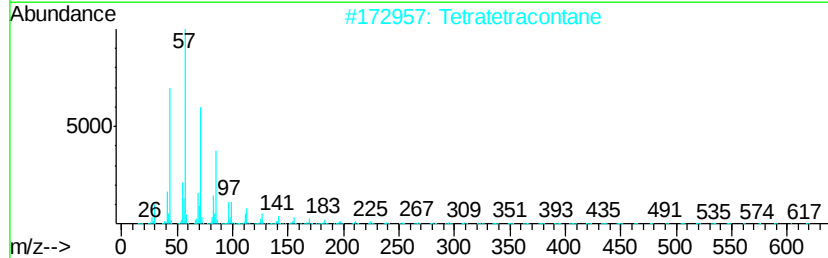
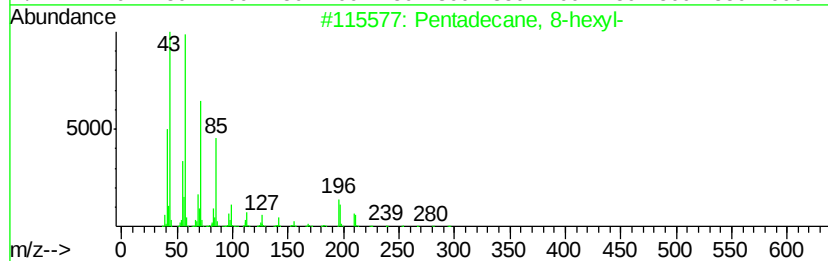
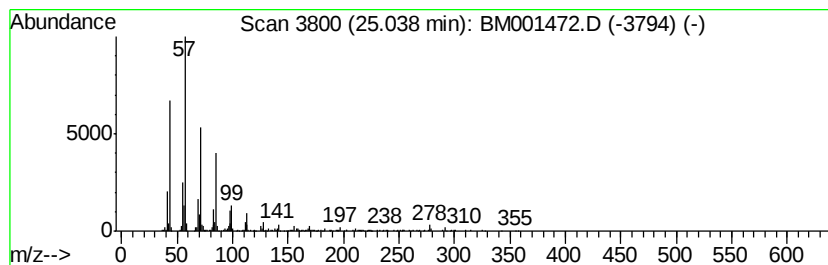
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
Quant Title : SVOA CALIBRATION

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.04	5.23 ng/ul	831277	Perylene-d12	23.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2			Tetratetracontane	619	C44H90	007098-22-8	90
3			Octacosane	394	C28H58	000630-02-4	90
4			Hexatriacontane	507	C36H74	000630-06-8	90
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM053015\
 Data File : BM001472.D
 Acq On : 30 May 2015 13:22
 Operator : TP/IZ
 Sample : G2411-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BCRB4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052915.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name					--Internal Standard--			
					#	RT	Resp	Conc
1,1'-Biphenyl, 2,...	17.00	6.0 ng/ul	917762	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	17.43	24.1 ng/ul	3693350	4	16.82	3070350	20.0	
Phenanthrene, 1-m...	17.73	6.5 ng/ul	1006050	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	17.90	48.4 ng/ul	7433880	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	18.18	25.6 ng/ul	3937340	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	18.23	6.4 ng/ul	988735	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	18.32	5.1 ng/ul	789145	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	18.76	152.2 ng/ul	23358800	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2,...	18.84	12.0 ng/ul	1843990	4	16.82	3070350	20.0	
1,1'-Biphenyl, 2'...	18.97	29.8 ng/ul	7247730	5	21.03	4860420	20.0	
1,1'-Biphenyl, 3,...	19.54	3.8 ng/ul	921802	5	21.03	4860420	20.0	
1,1'-Biphenyl, 2,...	19.62	14.0 ng/ul	3400110	5	21.03	4860420	20.0	
1,1'-Biphenyl, 3,...	19.66	12.3 ng/ul	2978690	5	21.03	4860420	20.0	
1,1'-Biphenyl, 2,...	19.72	6.7 ng/ul	1634620	5	21.03	4860420	20.0	
1,1'-Biphenyl, 2,...	19.77	66.8 ng/ul	16224200	5	21.03	4860420	20.0	
1,1'-Biphenyl, 2,...	19.83	105.4 ng/ul	25621900	5	21.03	4860420	20.0	
(DEL) Alkane: Str...	22.03	3.7 ng/ul	889057	5	21.03	4860420	20.0	
(DEL) Alkane: Str...	23.59	10.5 ng/ul	1662940	6	23.11	3177650	20.0	
(DEL) Alkane: Str...	25.04	5.2 ng/ul	831277	6	23.11	3177650	20.0	