

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
 Data File : BN008577.D
 Acq On : 15 Nov 2019 04:08
 Operator : JU
 Sample : K5819-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B00

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.076	11	15	17	rBV2	78455	82888	0.60%	0.048%
2	3.099	17	19	21	rVV3	34639	34167	0.25%	0.020%
3	3.123	21	23	26	rVV	58066	51187	0.37%	0.030%
4	3.158	26	29	35	rVB	1078760	1086060	7.83%	0.633%
5	3.458	76	80	81	rBV3	21134	28737	0.21%	0.017%
6	3.481	81	84	89	rVB	68935	81384	0.59%	0.047%
7	3.928	156	160	167	rVB3	39567	57804	0.42%	0.034%
8	4.375	229	236	241	rVB	193559	251948	1.82%	0.147%
9	4.564	262	268	272	rVB	24679	36055	0.26%	0.021%
10	4.752	296	300	305	rBV2	15364	22504	0.16%	0.013%
11	5.158	365	369	373	rVV6	14460	23973	0.17%	0.014%
12	5.199	373	376	383	rVB	22550	33862	0.24%	0.020%
13	6.158	535	539	543	rVB2	22162	34823	0.25%	0.020%
14	6.834	650	654	659	rBV2	46208	62654	0.45%	0.037%
15	7.081	693	696	699	rVB3	13292	18533	0.13%	0.011%
16	7.634	782	790	797	rBV	1937308	3102192	22.38%	1.809%
17	7.781	806	815	819	rBV	31850	55631	0.40%	0.032%
18	9.758	1146	1151	1155	rBV5	9482	18447	0.13%	0.011%
19	9.816	1155	1161	1166	rVV5	11880	21268	0.15%	0.012%
20	10.116	1204	1212	1217	rBV8	16365	32328	0.23%	0.019%
21	10.263	1233	1237	1242	rBV5	16498	28648	0.21%	0.017%
22	10.393	1250	1259	1269	rBV	2487899	4238408	30.57%	2.472%
23	14.199	1902	1906	1909	rBV6	10789	17204	0.12%	0.010%
24	14.257	1909	1916	1925	rVV2	3664657	5451573	39.33%	3.180%
25	14.599	1969	1974	1979	rBV3	19999	34760	0.25%	0.020%
26	14.793	2001	2007	2016	rBV4	17273	39209	0.28%	0.023%
27	16.010	2208	2214	2218	rBV8	20451	38785	0.28%	0.023%
28	16.322	2263	2267	2271	rBV4	26226	38083	0.27%	0.022%
29	16.540	2299	2304	2306	rBV5	25895	34194	0.25%	0.020%
30	16.575	2306	2310	2315	rVV	92216	145287	1.05%	0.085%
31	16.651	2319	2323	2330	rVB	95884	135300	0.98%	0.079%
32	16.887	2356	2363	2366	rBV6	42899	70612	0.51%	0.041%
33	16.922	2367	2369	2373	rVB5	21860	25307	0.18%	0.015%
34	16.998	2376	2382	2387	rVV	4077663	5843840	42.16%	3.409%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Title : SVOA CALIBRATION

35	17.040	2387	2389	2394	rVB	99070	112607	0.81%	0.066%
36	17.098	2396	2399	2402	rBV2	15365	20976	0.15%	0.012%
37	17.187	2409	2414	2420	rBV2	140281	231364	1.67%	0.135%
38	17.281	2426	2430	2433	rBV6	14129	23624	0.17%	0.014%
39	17.457	2456	2460	2464	rBV6	43107	77668	0.56%	0.045%
40	17.610	2479	2486	2493	rVB2	342162	620578	4.48%	0.362%
41	17.722	2501	2505	2513	rVB4	136864	217649	1.57%	0.127%
42	17.857	2523	2528	2533	rBV3	181443	266496	1.92%	0.155%
43	17.916	2534	2538	2544	rVB6	78426	126029	0.91%	0.074%
44	18.022	2554	2556	2560	rVB4	34348	35632	0.26%	0.021%
45	18.081	2560	2566	2572	rBV	4744232	6141640	44.30%	3.582%
46	18.139	2572	2576	2580	rVV	1099149	1395000	10.06%	0.814%
47	18.181	2580	2583	2588	rVB	252066	333402	2.41%	0.194%
48	18.369	2609	2615	2619	rBV	1978638	2687393	19.39%	1.567%
49	18.416	2619	2623	2627	rVV2	164866	218592	1.58%	0.127%
50	18.463	2629	2631	2635	rVV4	58009	91265	0.66%	0.053%
51	18.504	2635	2638	2641	rVV	180452	251023	1.81%	0.146%
52	18.539	2641	2644	2650	rVB	686410	881376	6.36%	0.514%
53	18.604	2650	2655	2658	rBV3	111205	177575	1.28%	0.104%
54	18.639	2658	2661	2666	rVB3	145466	185822	1.34%	0.108%
55	18.798	2683	2688	2691	rBV5	84468	114463	0.83%	0.067%
56	18.857	2692	2698	2701	rVV	828807	1150934	8.30%	0.671%
57	18.904	2701	2706	2708	rVV	2186705	3077689	22.20%	1.795%
58	18.934	2708	2711	2719	rVV2	6868608	9434447	68.06%	5.503%
59	19.022	2721	2726	2730	rVV	949179	1275360	9.20%	0.744%
60	19.057	2730	2732	2737	rVB	113326	146960	1.06%	0.086%
61	19.145	2742	2747	2754	rBV3	1749445	2772717	20.00%	1.617%
62	19.222	2754	2760	2766	rVV	9527066	13862620	100.00%	8.086%
63	19.286	2766	2771	2778	rVV	3662639	4450423	32.10%	2.596%
64	19.357	2780	2783	2786	rVV	131491	158248	1.14%	0.092%
65	19.410	2788	2792	2798	rVV2	465326	629859	4.54%	0.367%
66	19.481	2799	2804	2810	rVV	2786770	3513128	25.34%	2.049%
67	19.563	2810	2818	2822	rVV	4485055	5991256	43.22%	3.494%
68	19.610	2822	2826	2829	rVV	1622105	1938379	13.98%	1.131%
69	19.669	2829	2836	2841	rVV	10023604	13181482	95.09%	7.688%
70	19.710	2841	2843	2848	rVB2	166751	182520	1.32%	0.106%
71	19.798	2853	2858	2863	rBV3	1187646	2656857	19.17%	1.550%

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72	19.839	2863	2865	2870	rVV2	805078	1134518	8.18%	0.662%
73	19.886	2870	2873	2876	rVV2	500522	569157	4.11%	0.332%
74	19.934	2876	2881	2885	rVV2	5000139	6436615	46.43%	3.754%
75	19.986	2885	2890	2896	rVB	8434366	10084475	72.75%	5.882%
76	20.063	2899	2903	2907	rVB	538800	657610	4.74%	0.384%
77	20.134	2908	2915	2921	rVB2	904316	1591888	11.48%	0.928%
78	20.216	2924	2929	2933	rBV	5737793	6865216	49.52%	4.004%
79	20.269	2933	2938	2939	rVV	2645096	3262314	23.53%	1.903%
80	20.292	2939	2942	2947	rVB	3643903	4362307	31.47%	2.544%
81	20.369	2950	2955	2960	rBV4	1438580	1957818	14.12%	1.142%
82	20.433	2962	2966	2968	rBV2	510519	623073	4.49%	0.363%
83	20.463	2968	2971	2974	rVV3	561692	672777	4.85%	0.392%
84	20.533	2974	2983	2990	rVV	6411905	11245803	81.12%	6.559%
85	20.586	2990	2992	2994	rVV2	102778	103944	0.75%	0.061%
86	20.616	2994	2997	3001	rVB2	440203	506661	3.65%	0.296%
87	20.681	3004	3008	3014	rVB	761733	955314	6.89%	0.557%
88	20.745	3015	3019	3028	rBV2	446681	591712	4.27%	0.345%
89	20.833	3030	3034	3039	rBV	2203420	2504514	18.07%	1.461%
90	20.951	3050	3054	3058	rBV3	853390	1026358	7.40%	0.599%
91	21.004	3059	3063	3069	rVB2	479267	623758	4.50%	0.364%
92	21.063	3069	3073	3074	rBV3	269618	339484	2.45%	0.198%
93	21.086	3074	3077	3081	rVV	952900	1119426	8.08%	0.653%
94	21.139	3083	3086	3088	rVV	228058	285121	2.06%	0.166%
95	21.192	3091	3095	3099	rVV	3818226	5001430	36.08%	2.917%
96	21.239	3099	3103	3109	rVB2	1685441	2069280	14.93%	1.207%
97	21.480	3141	3144	3150	rBV	511078	571856	4.13%	0.334%
98	21.545	3151	3155	3161	rVB2	954018	1224313	8.83%	0.714%
99	21.604	3163	3165	3170	rVB4	163837	183074	1.32%	0.107%
100	23.369	3460	3465	3477	rVB	2680705	4968125	35.84%	2.898%

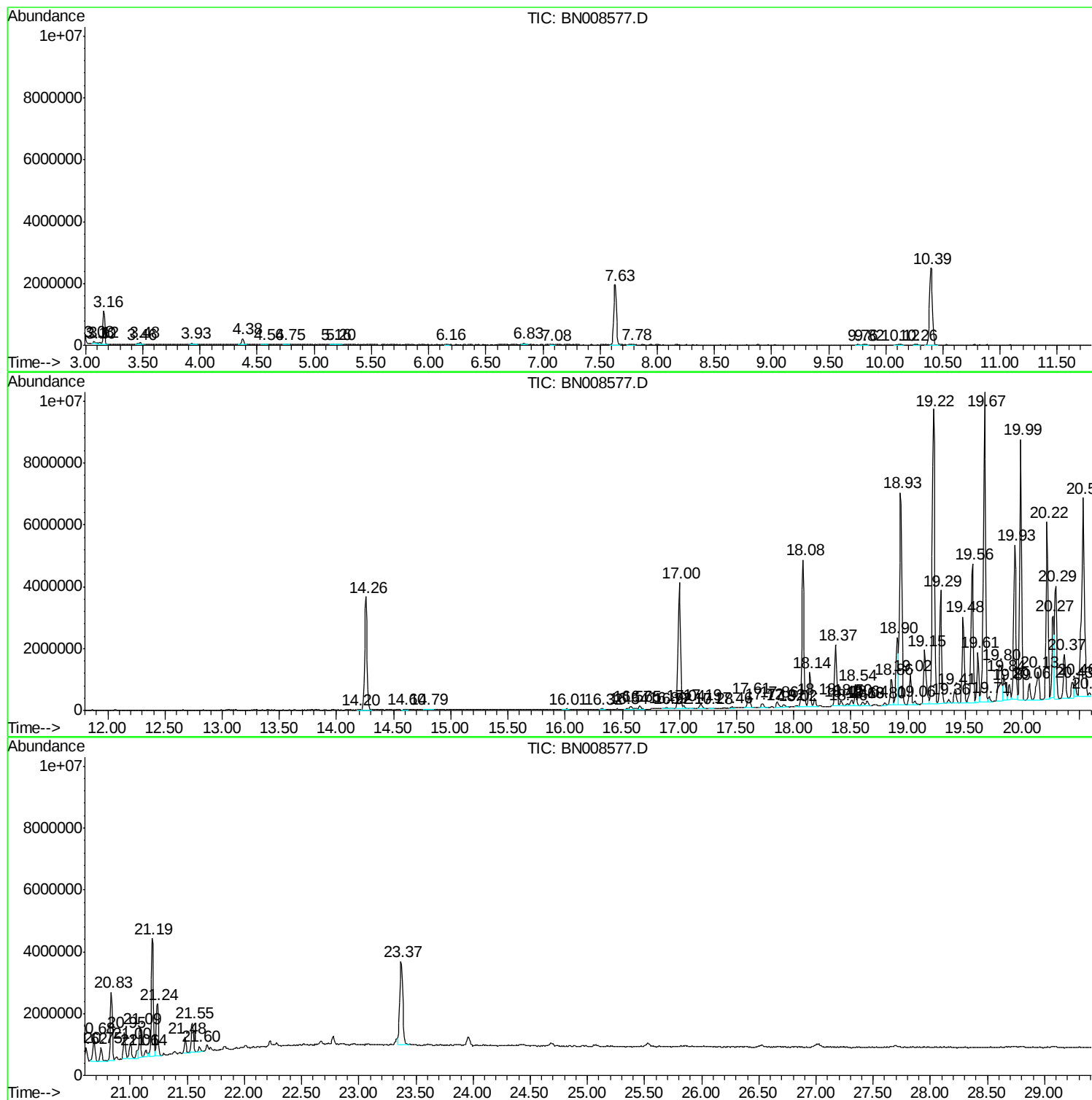
Sum of corrected areas: 171448649

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Instrument :
BNA_N
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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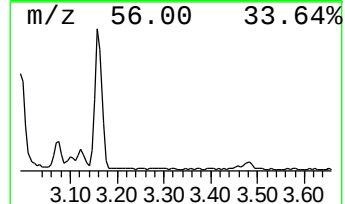
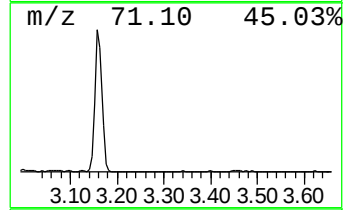
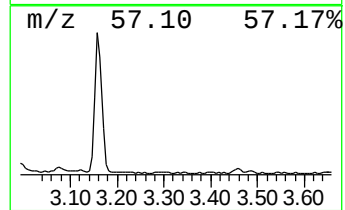
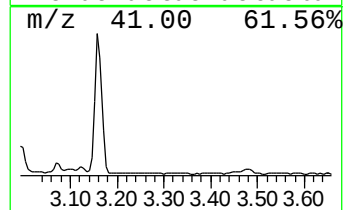
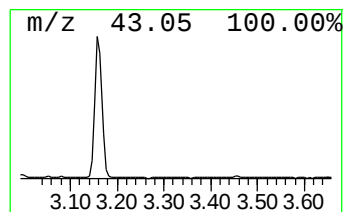
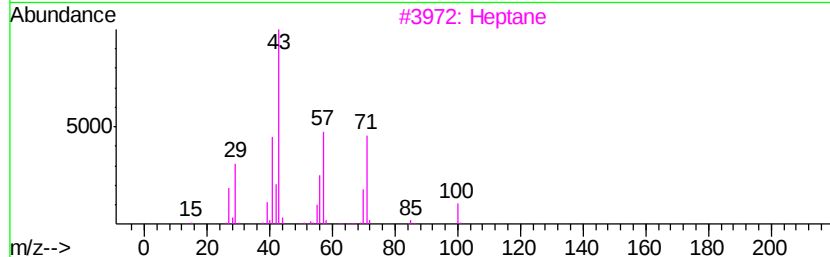
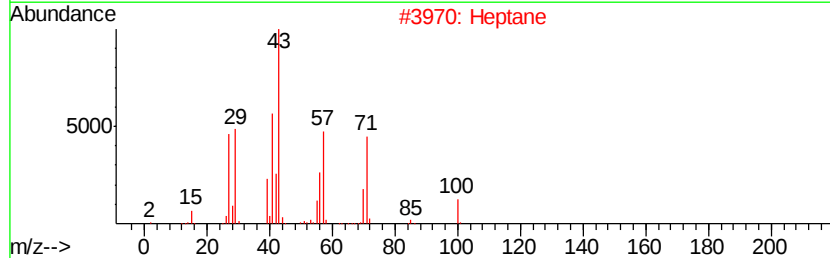
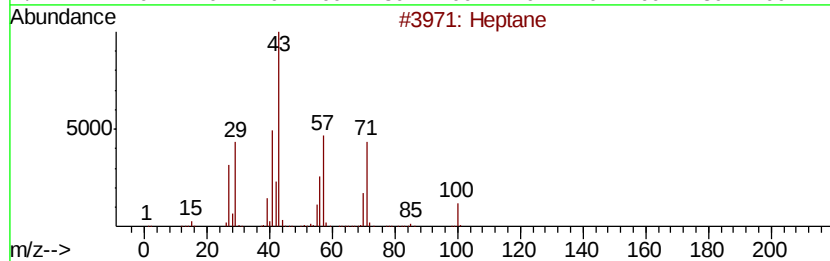
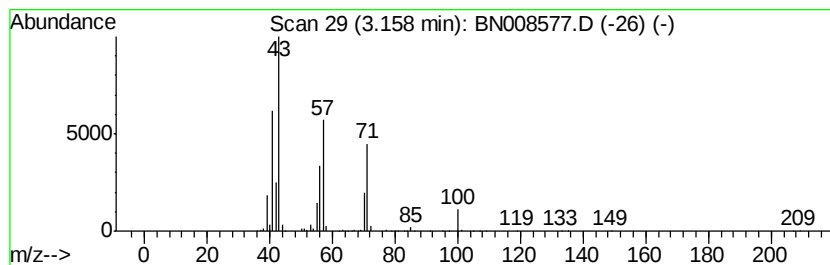
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	7.00 ng/ul	1086060	1,4-Dichlorobenzene-d4	7.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Heptane	100	C7H16	000142-82-5	91
3		Heptane	100	C7H16	000142-82-5	91
4		Heptane	100	C7H16	000142-82-5	80
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43



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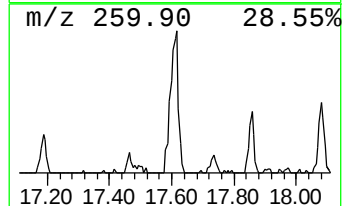
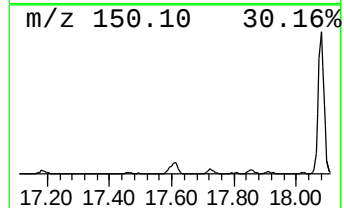
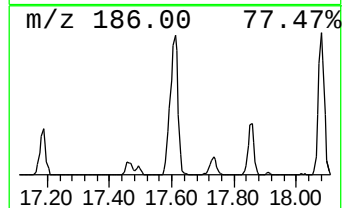
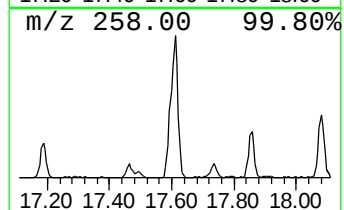
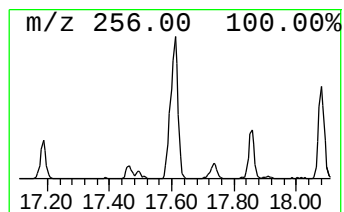
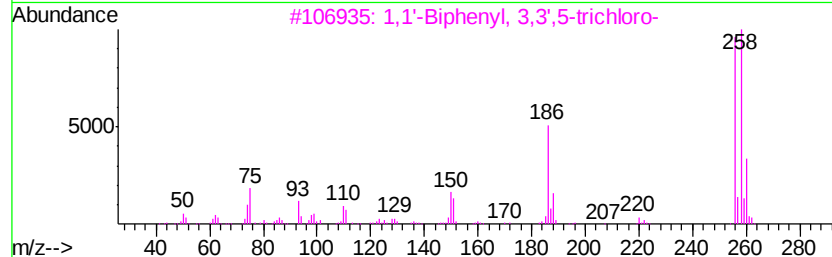
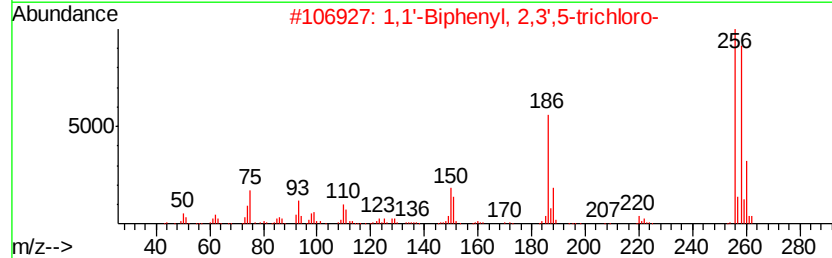
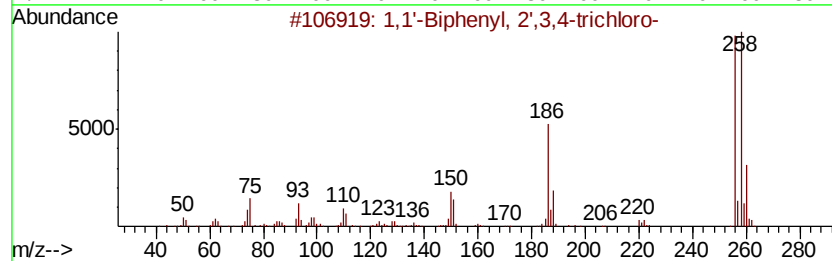
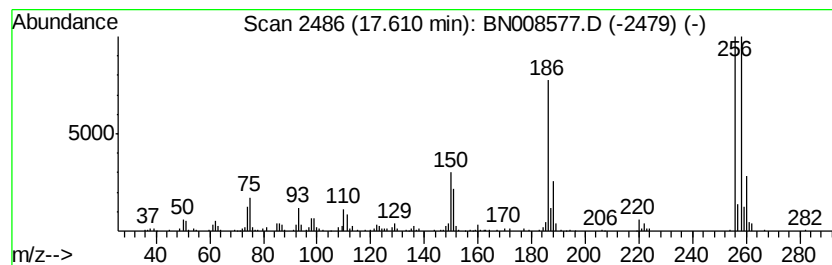
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	2.12 ng/ul	620578	Phenanthrene-d10	17.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
2			1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3			1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4			1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	99
5			1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99



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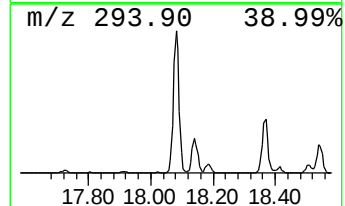
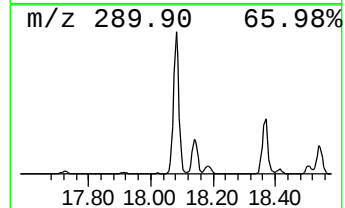
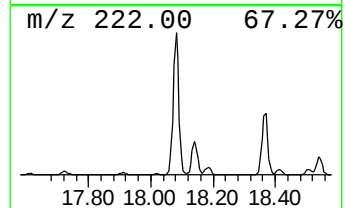
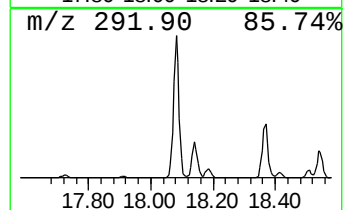
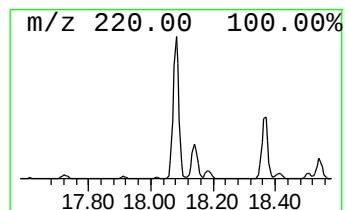
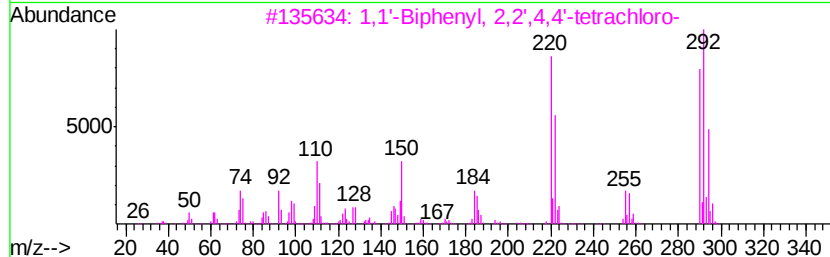
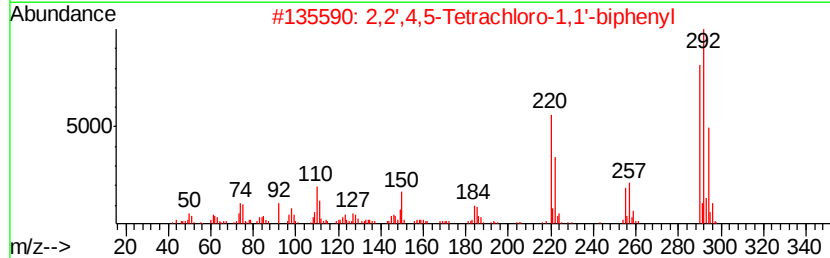
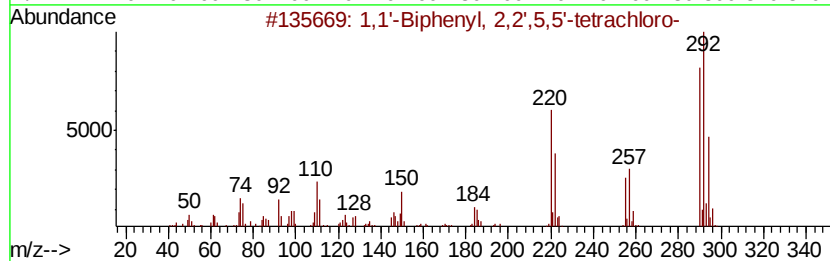
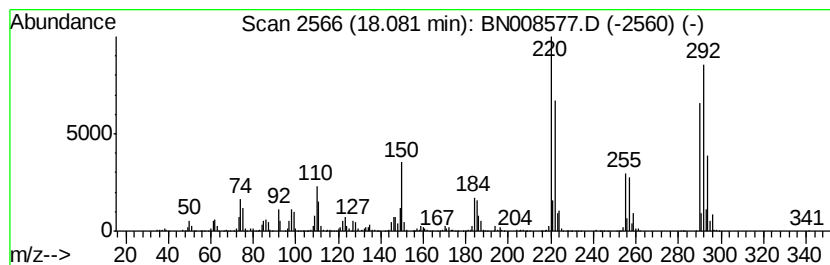
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	21.02 ng/ul	6141640	Phenanthrene-d10	17.00

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		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
5		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
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Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

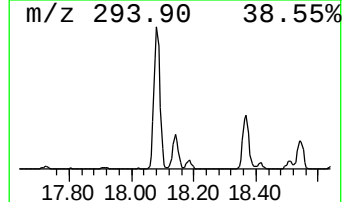
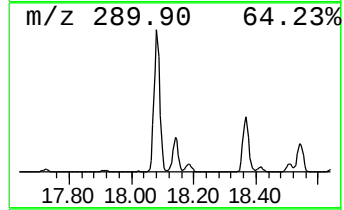
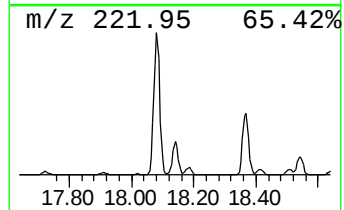
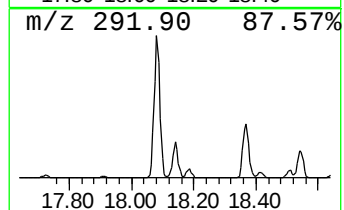
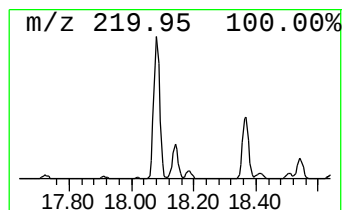
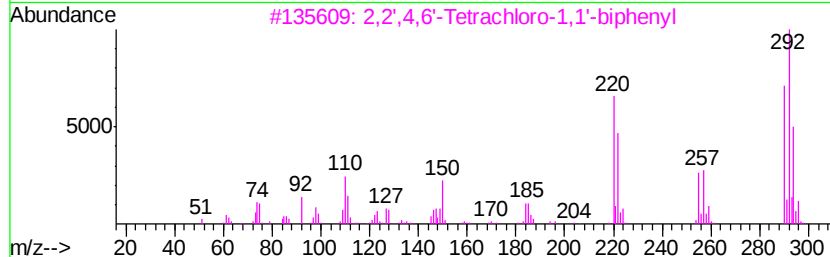
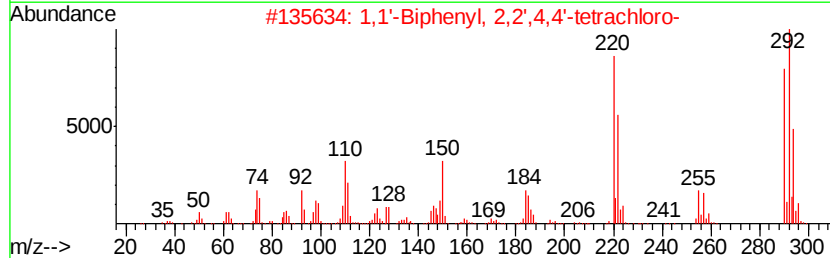
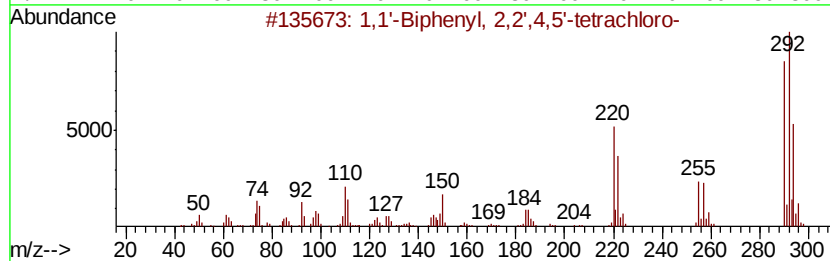
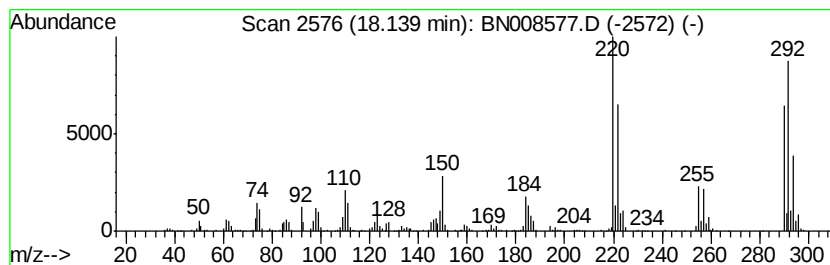
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.14	4.77 ng/ul	1395000	Phenanthrene-d10	17.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	290	C12H6Cl4	041464-40-8	99	
2	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	290	C12H6Cl4	002437-79-8	99	
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99	
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99	
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
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Instrument :
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ClientSampleId :
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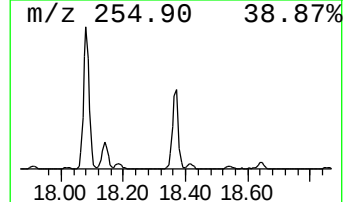
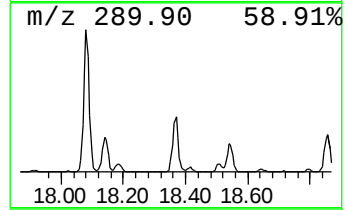
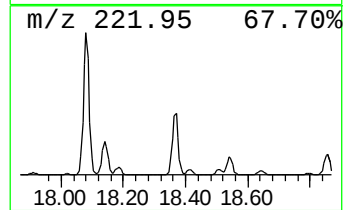
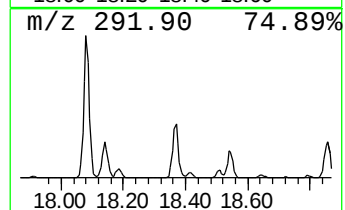
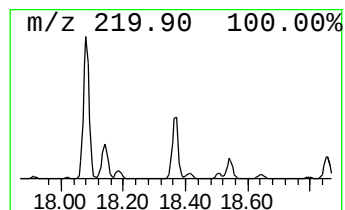
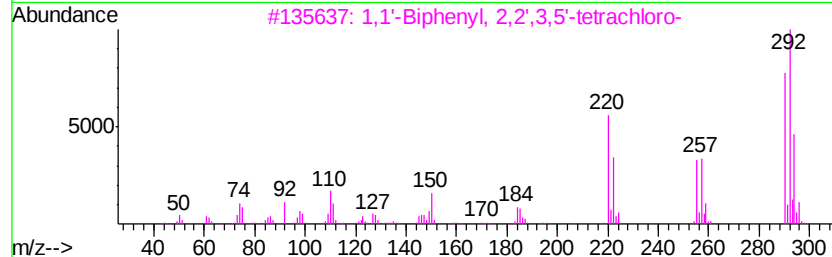
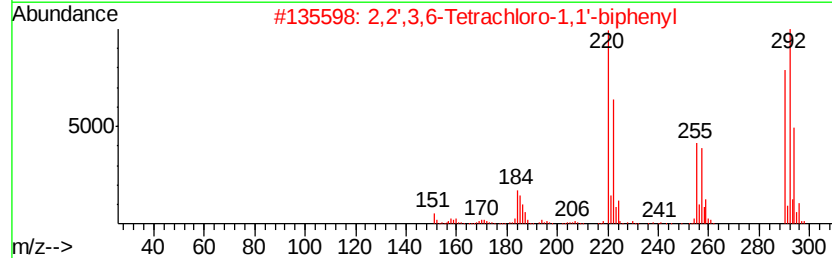
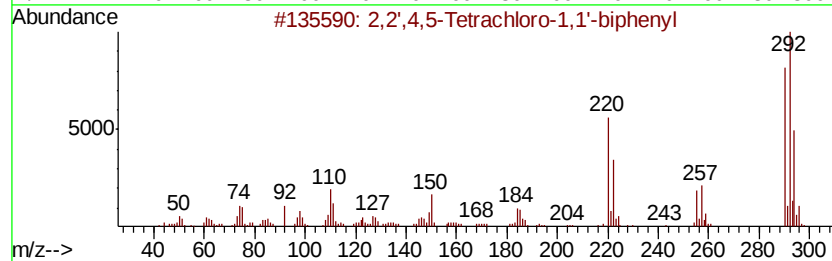
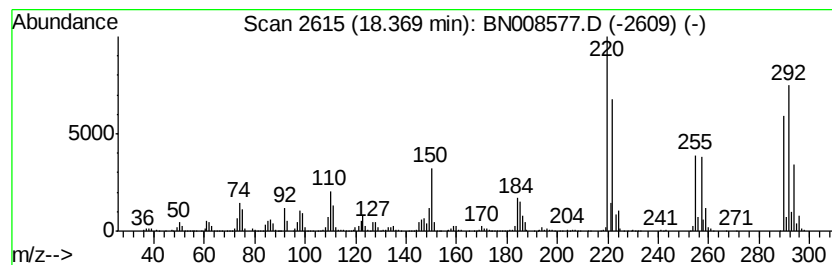
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	9.20 ng/ul	2687390	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
2		2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
3		1,1'-Biphenyl, 2,2',3,5'-tetrachloro-	290	C12H6Cl4	041464-39-5	99
4		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5		2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
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Instrument :
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ClientSampleId :
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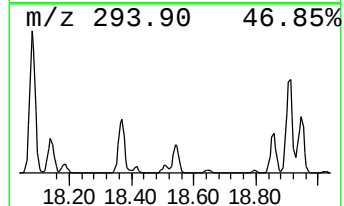
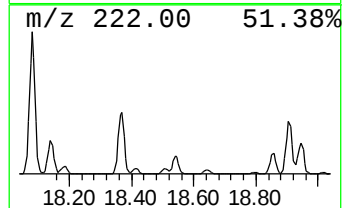
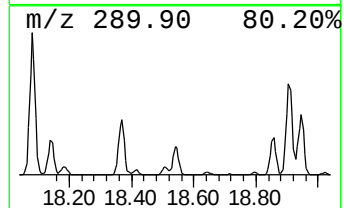
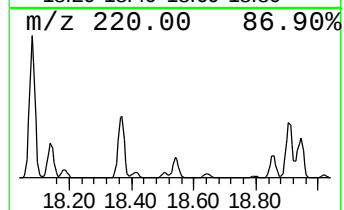
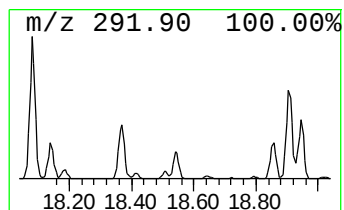
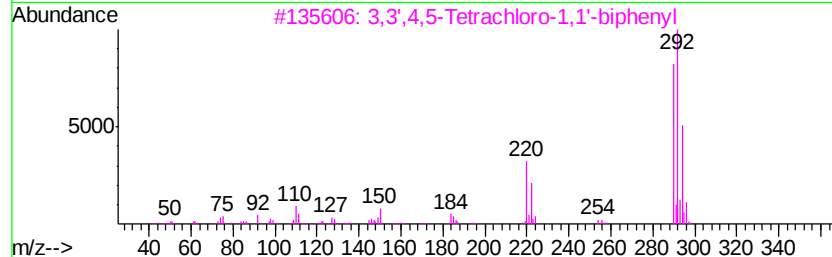
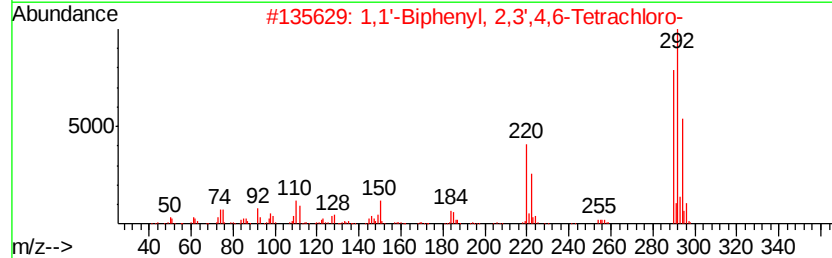
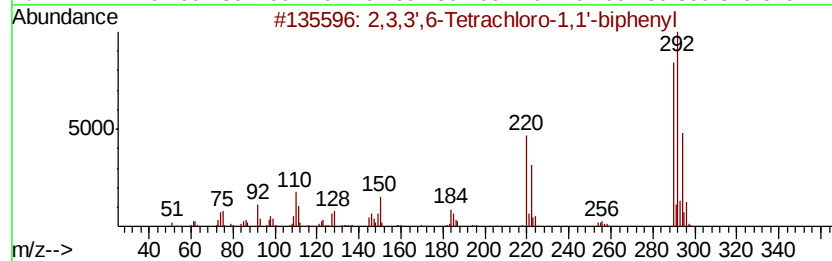
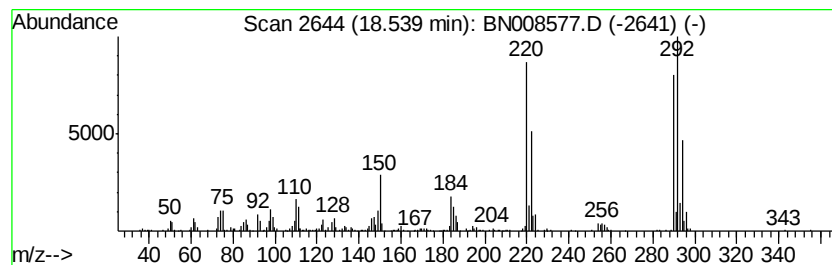
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.02 ng/ul	881376	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
2		1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
3		3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5		2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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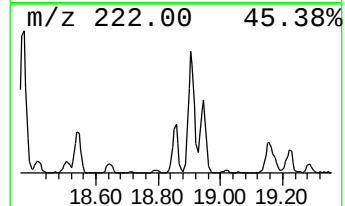
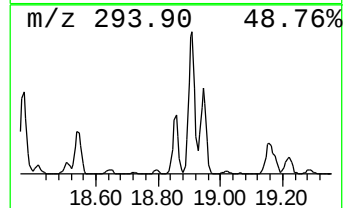
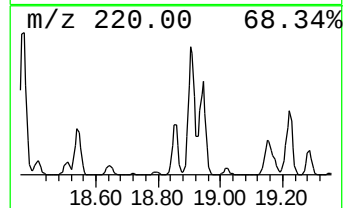
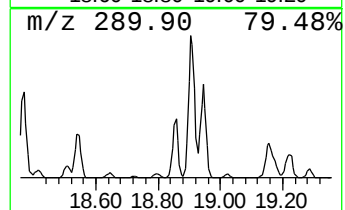
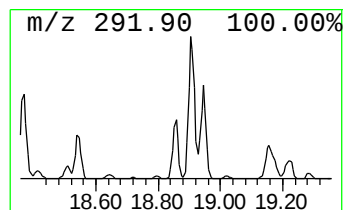
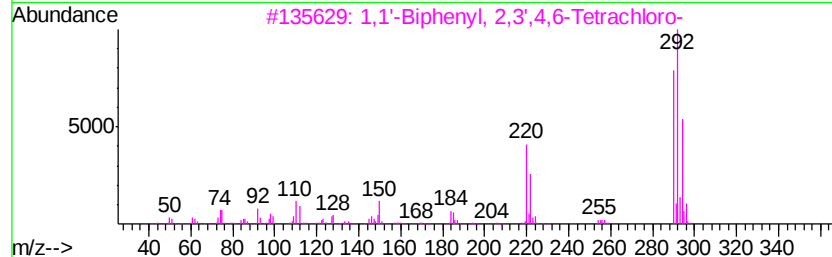
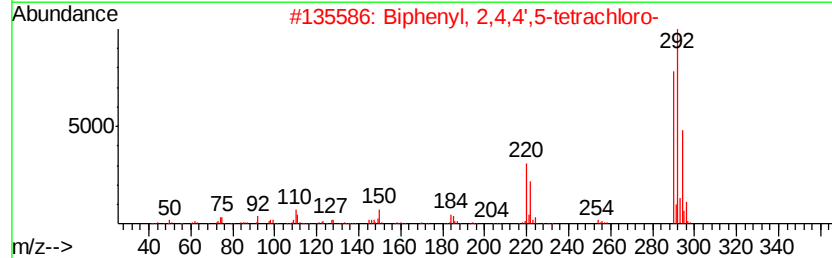
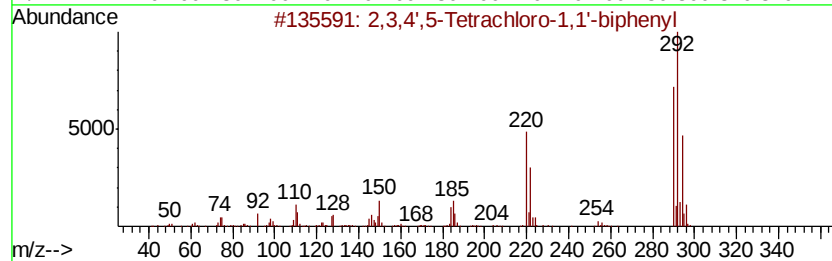
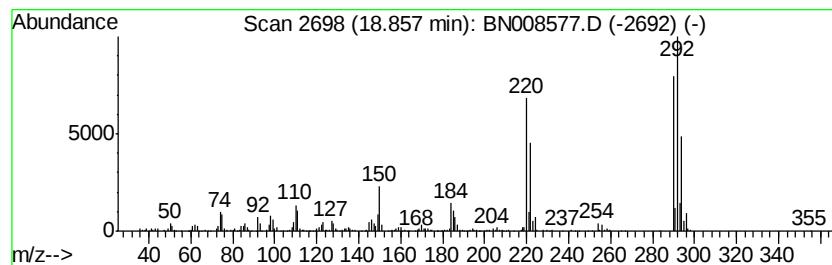
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2,3,4',5-Tetrachloro-1,1'-b... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.94 ng/ul	1150930	Phenanthrene-d10	17.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99		
2	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99		
3	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99		
4	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99		
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99		



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Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
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Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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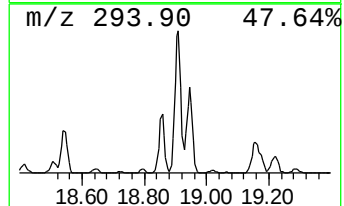
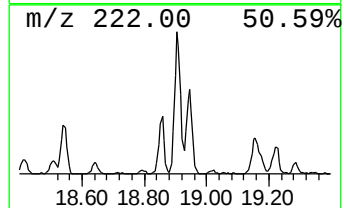
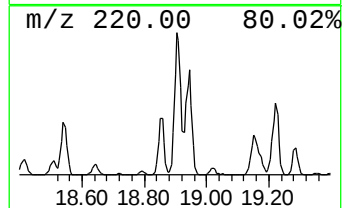
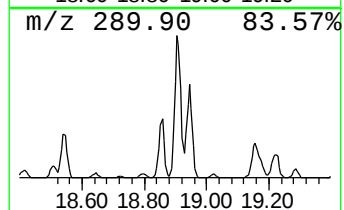
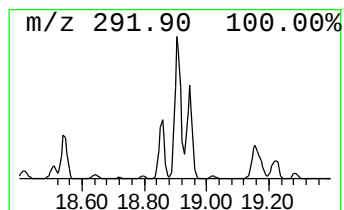
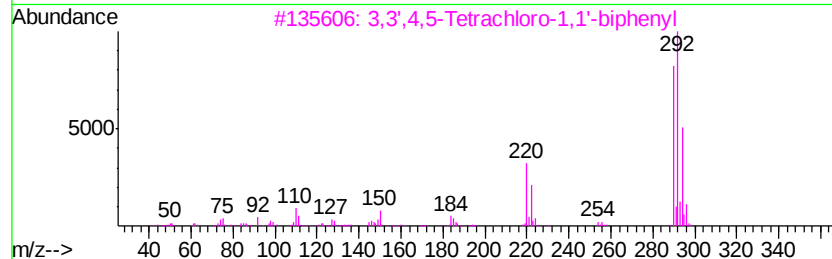
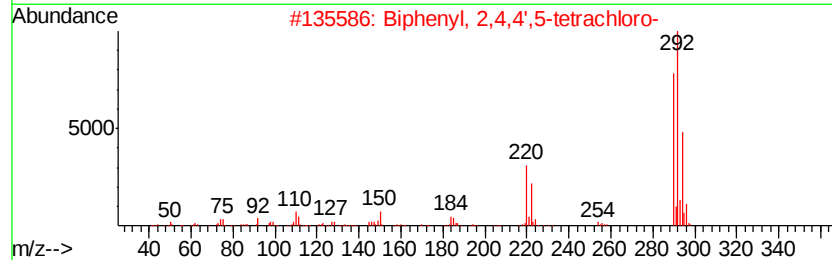
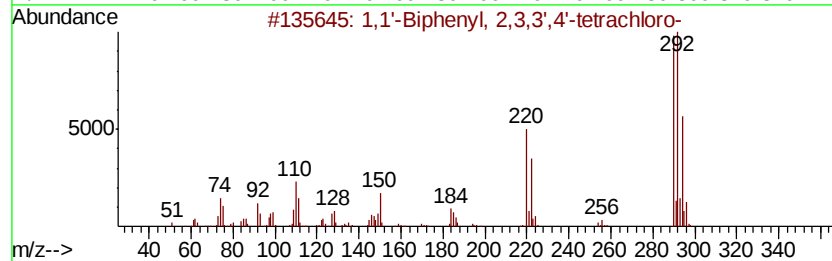
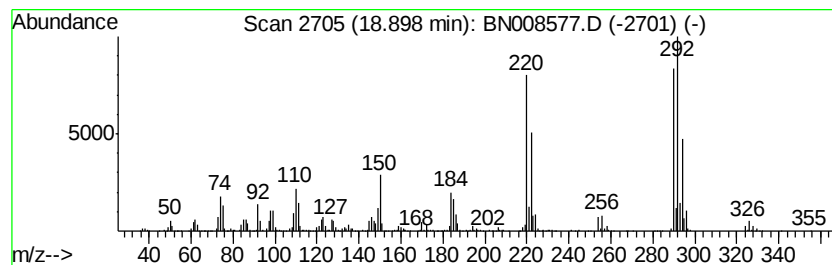
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	10.53 ng/ul	3077690	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2		Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3		3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5		1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
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Acq On : 15 Nov 2019 04:08
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Misc :
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ClientSampleId :
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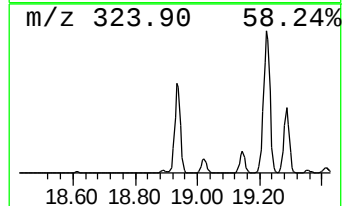
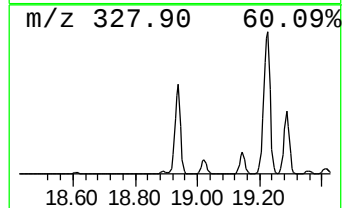
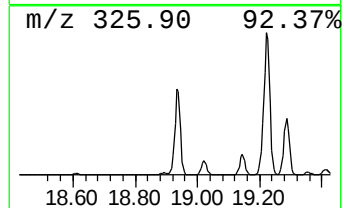
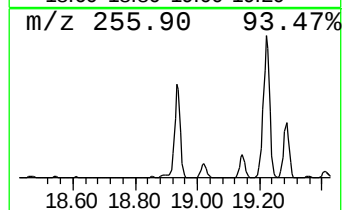
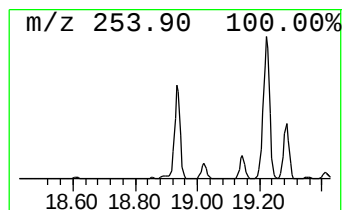
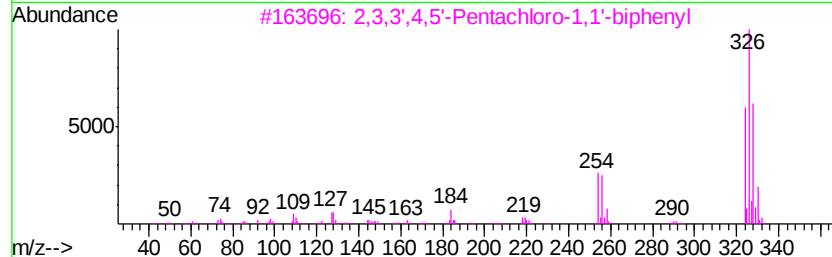
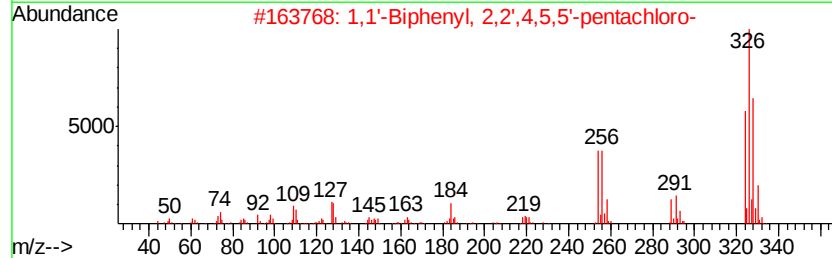
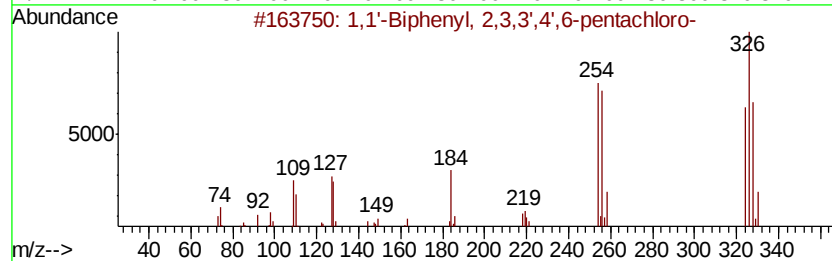
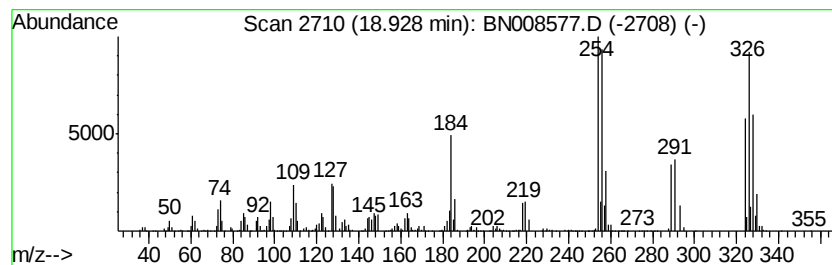
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	32.29 ng/ul	9434450	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
3		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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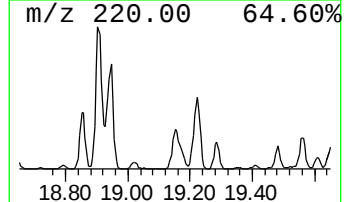
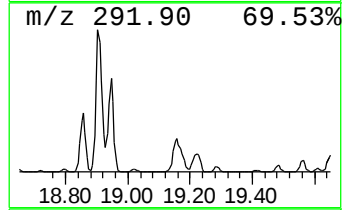
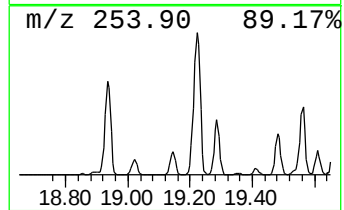
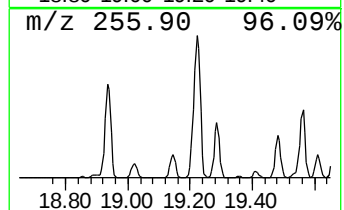
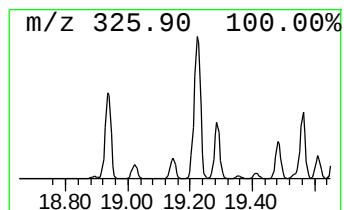
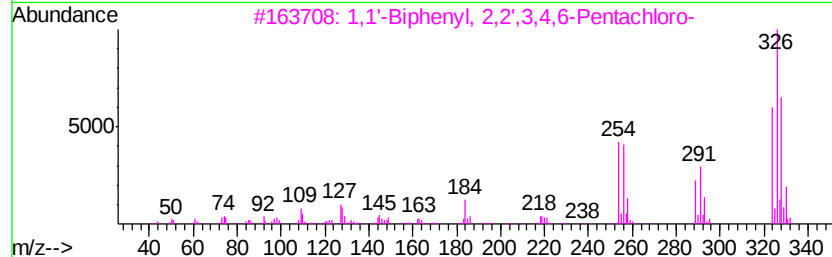
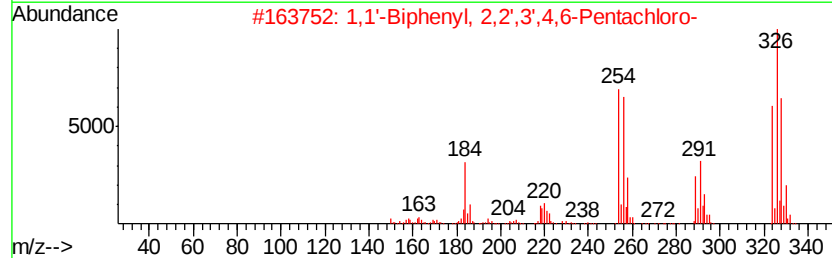
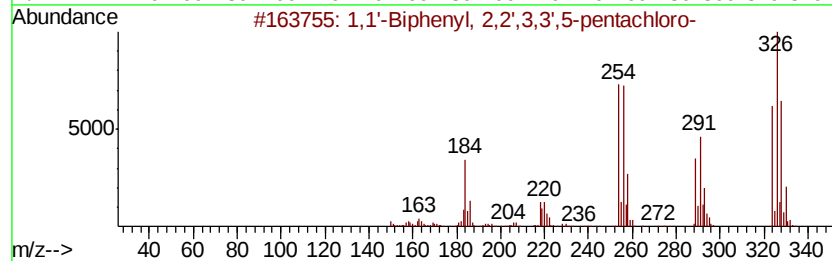
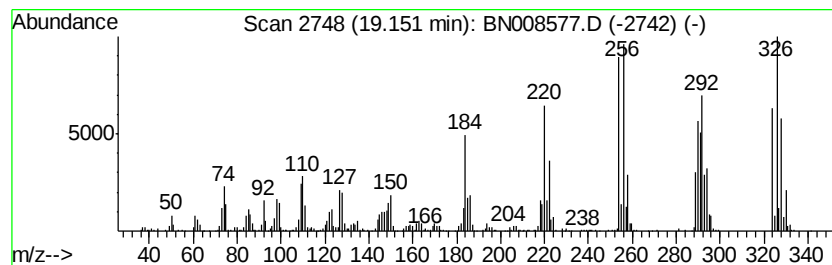
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	11.09 ng/ul	2772720	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99	
2	1,1'	-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99	
3	1,1'	-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99	
4	1,1'	-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	99	
5	1,1'	-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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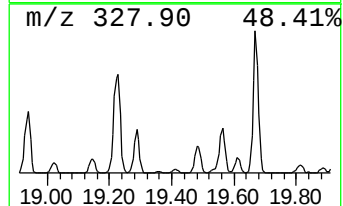
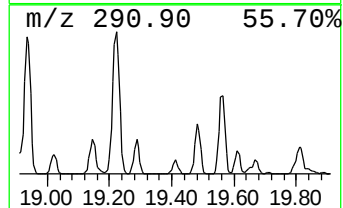
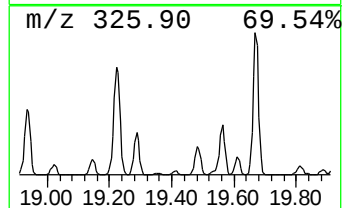
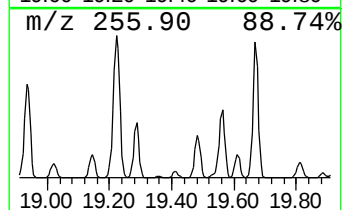
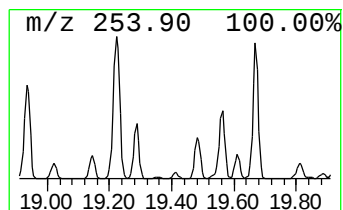
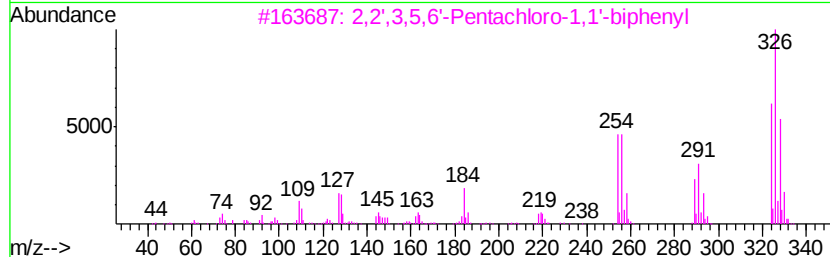
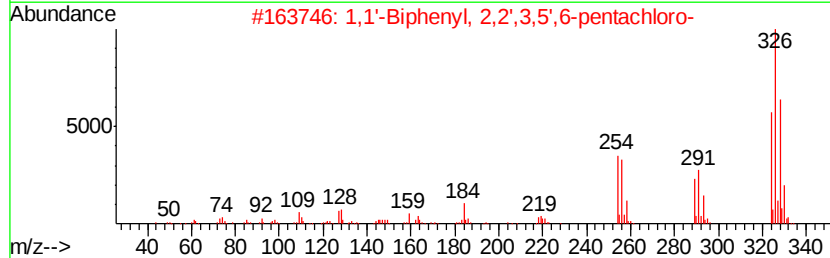
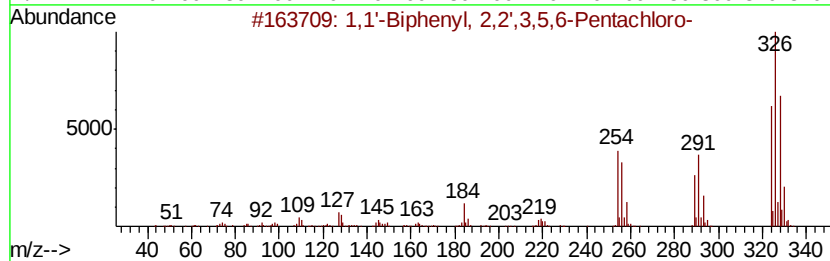
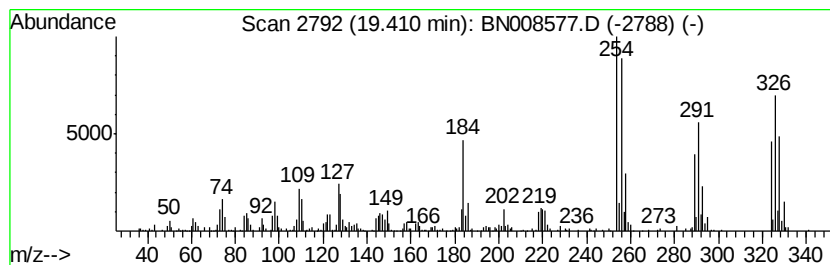
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 2,2',3,5,6-P... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	2.52 ng/ul	629859	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
2		1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
3		2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99
4		1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99
5		1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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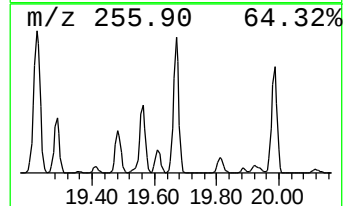
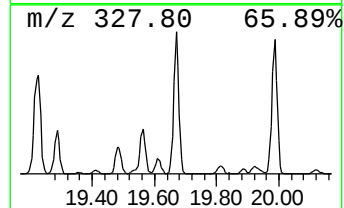
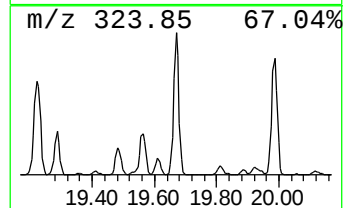
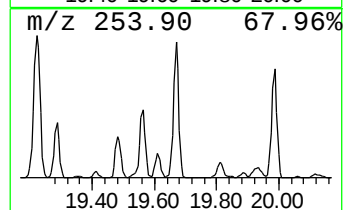
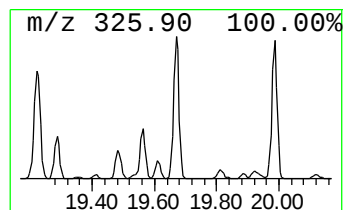
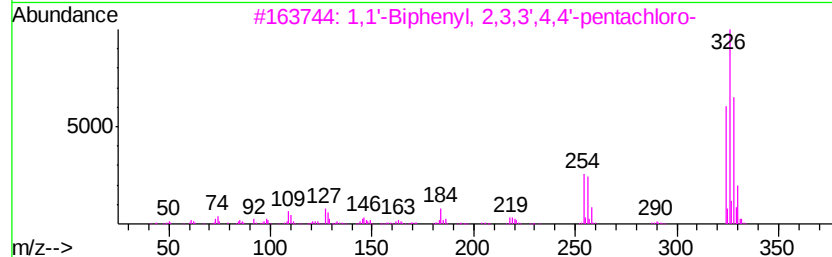
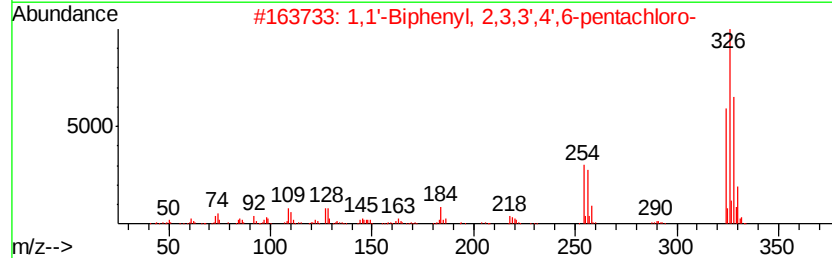
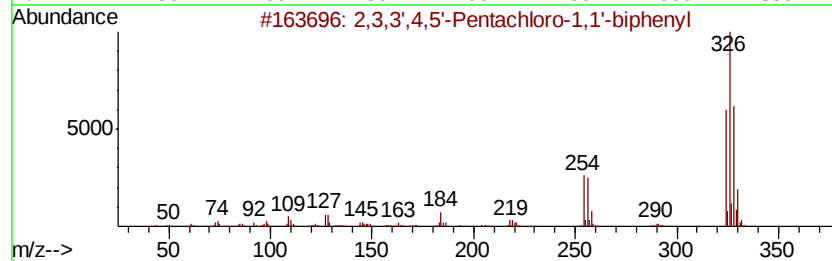
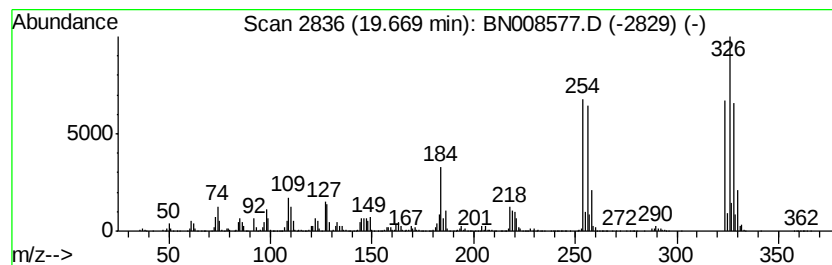
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	52.71 ng/ul	13181500	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	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		3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
5		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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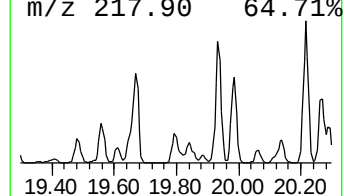
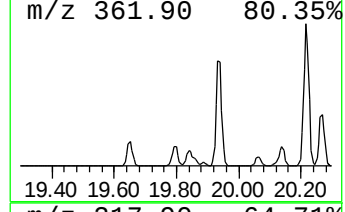
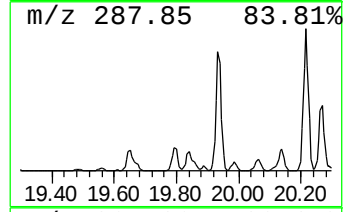
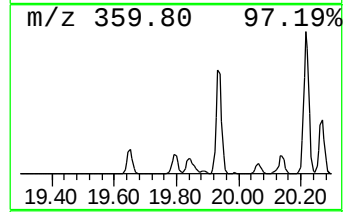
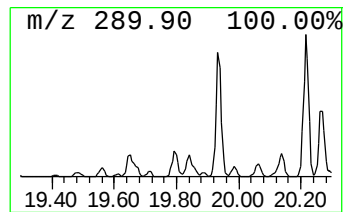
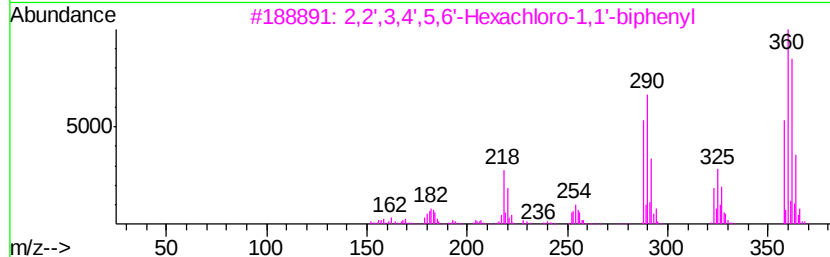
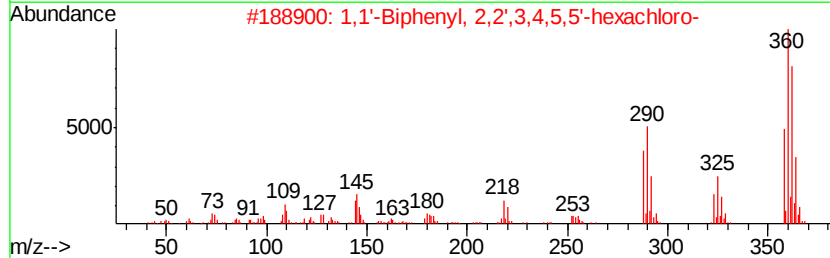
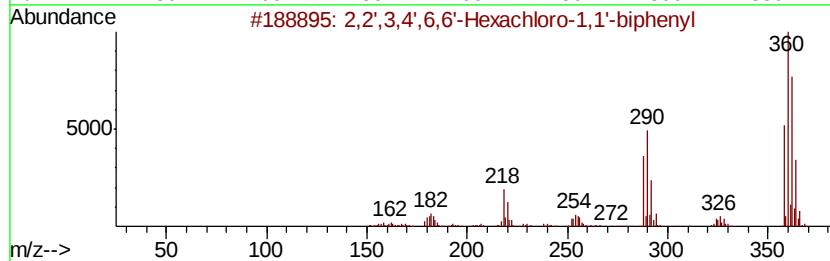
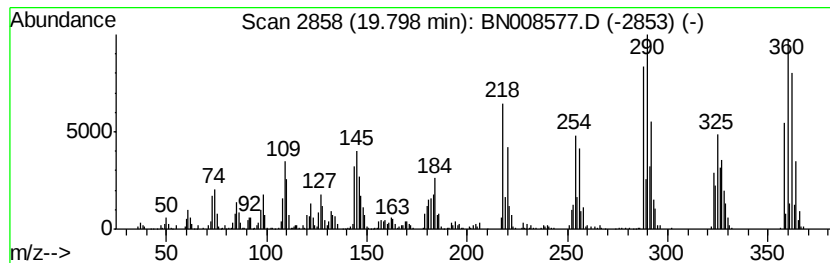
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 2,2',3,4',6,6'-Hexachloro-1... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	10.62 ng/ul	2656860	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
2		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3		2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
4		2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
5		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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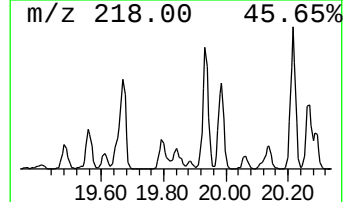
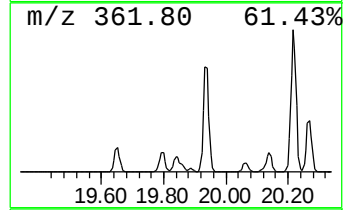
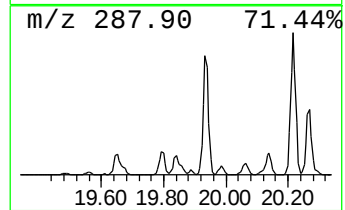
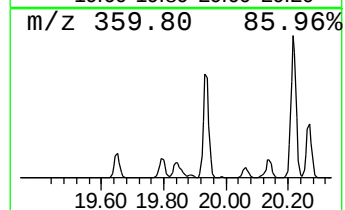
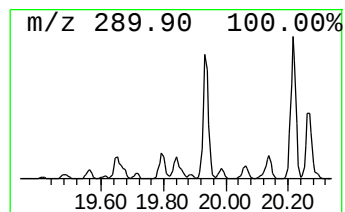
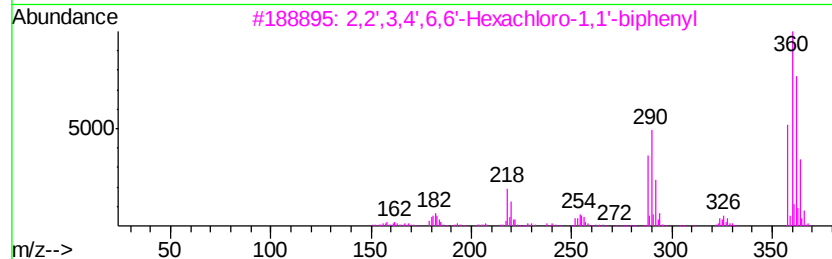
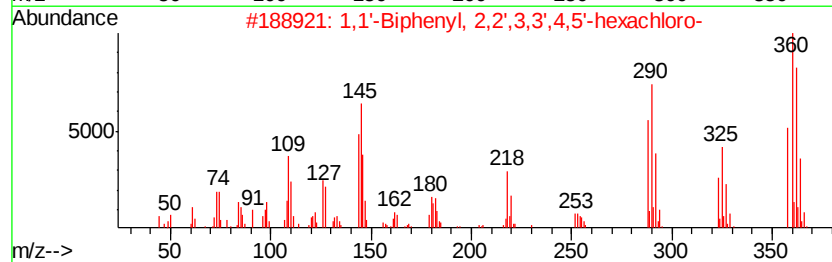
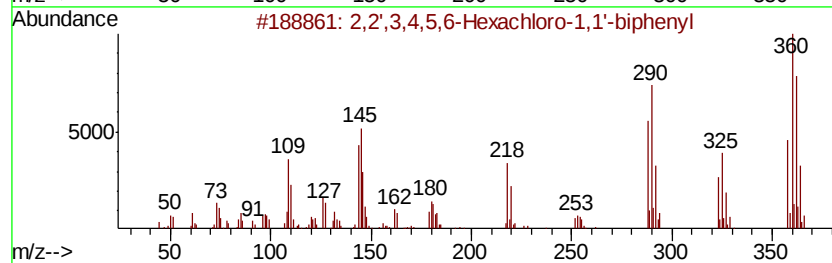
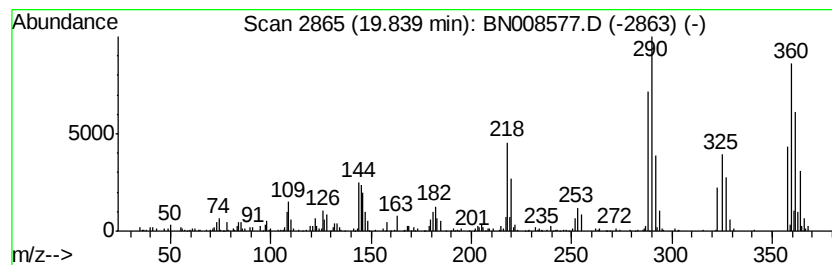
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	4.54 ng/ul	1134520	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
2		1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
3		2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
4		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	98
5		1,1'-Biphenyl, 2,2',3,3',4,5'-hex...	358	C12H4Cl6	055215-18-4	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
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Sample : K5819-02
Misc :
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Instrument :
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ClientSampleId :
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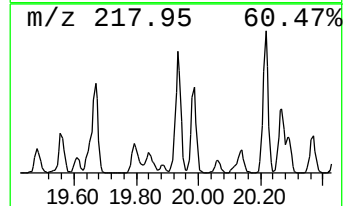
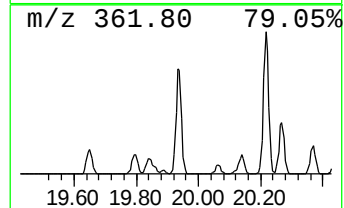
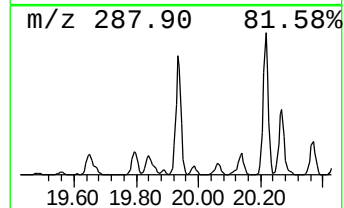
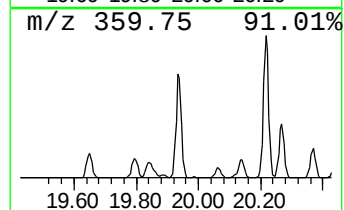
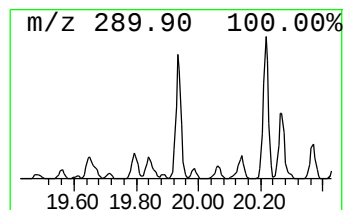
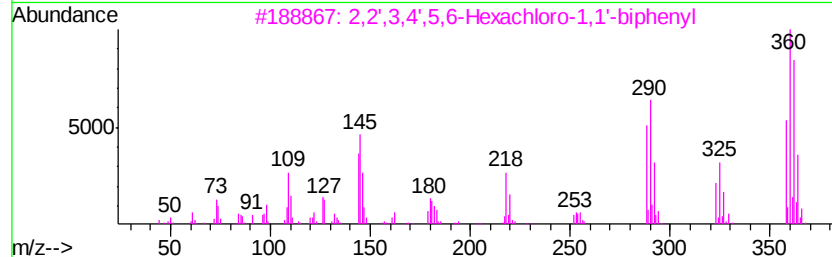
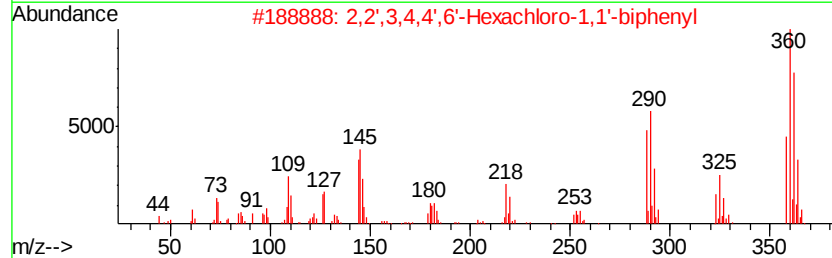
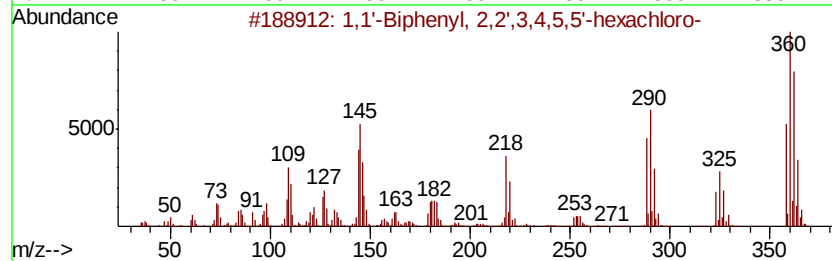
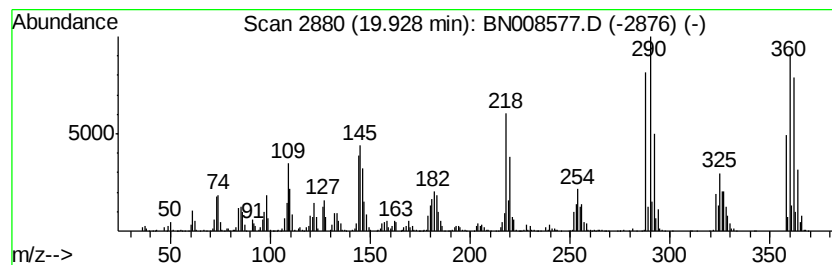
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	25.74 ng/ul	6436620	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
3		2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
4		2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
5		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
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Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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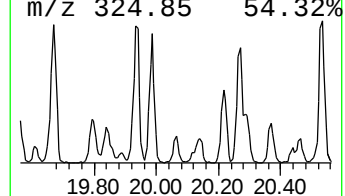
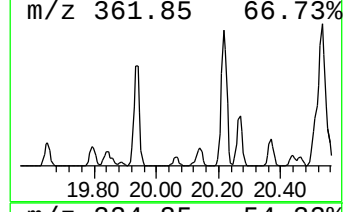
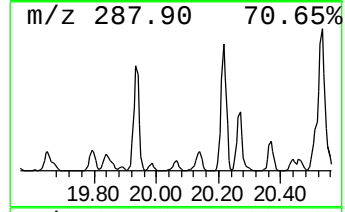
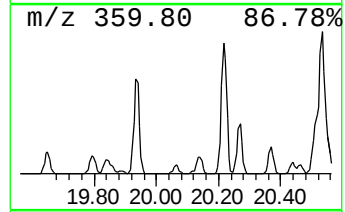
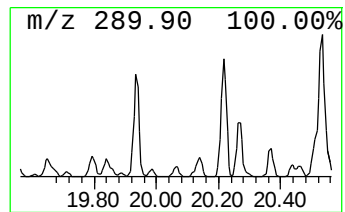
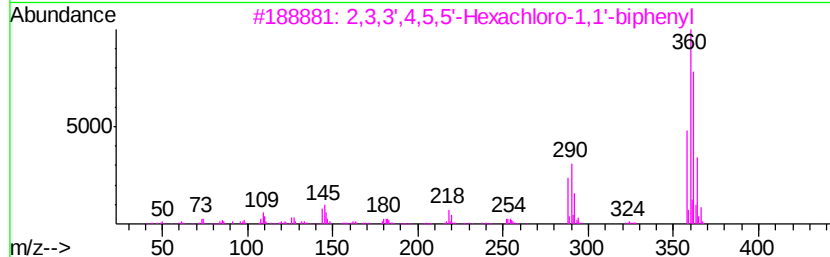
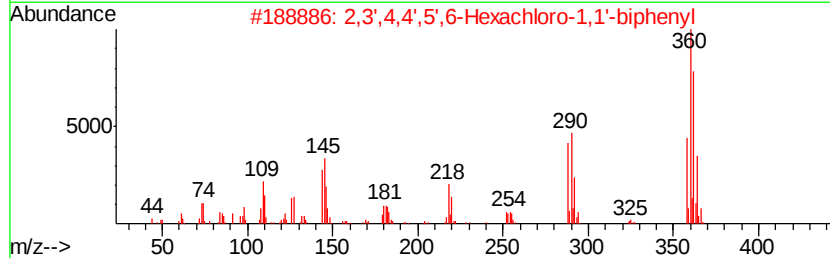
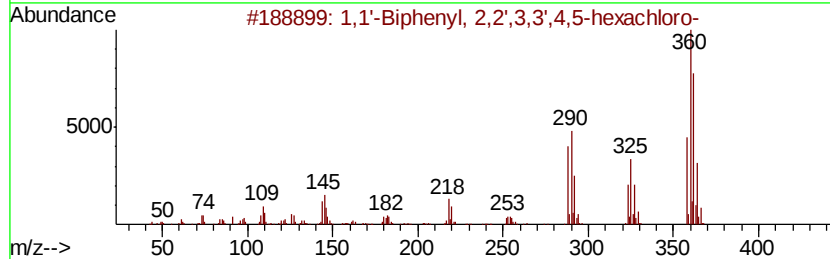
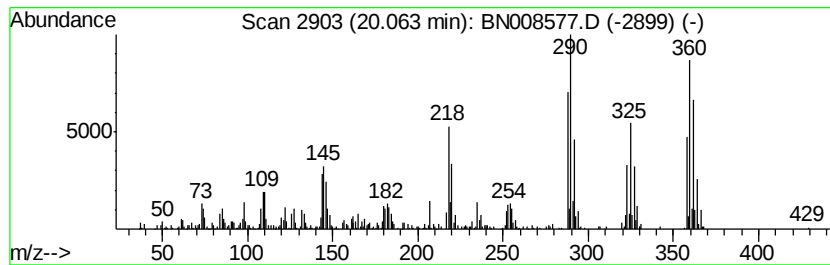
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.63 ng/ul	657610	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2		2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
3		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
4		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B00

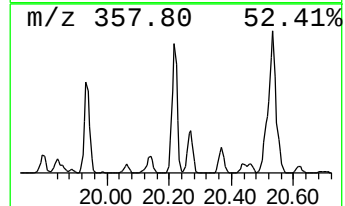
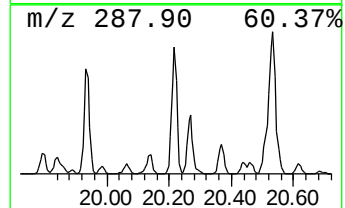
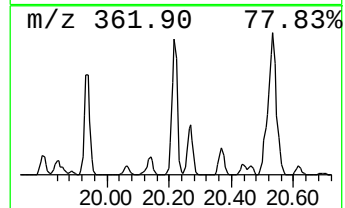
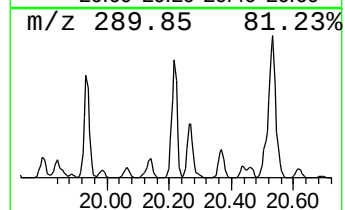
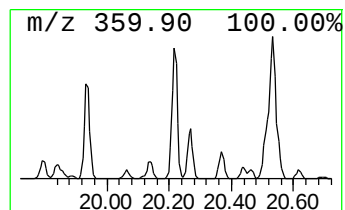
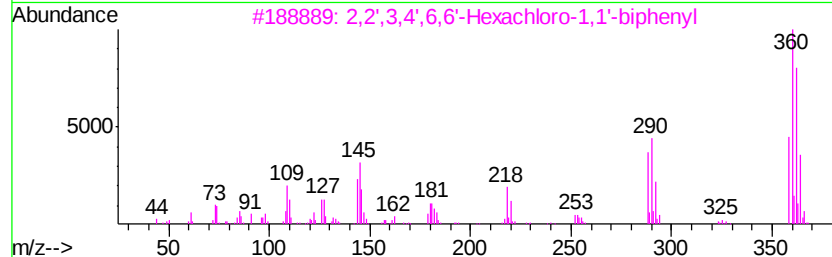
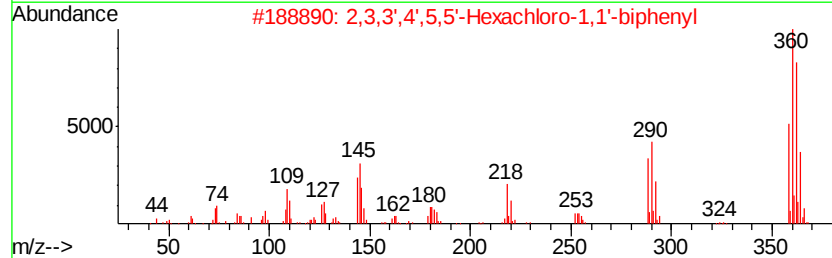
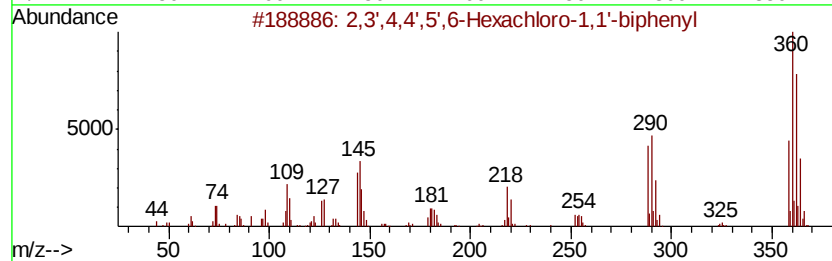
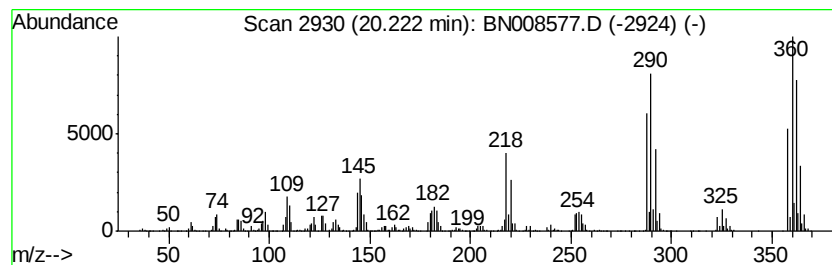
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	27.45 ng/ul	6865220	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2		2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
3		2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
4		2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
5		1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B00

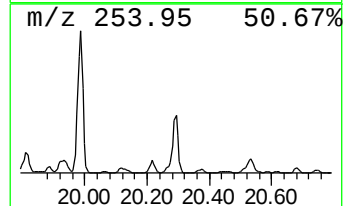
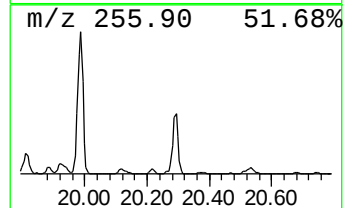
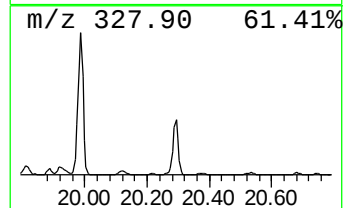
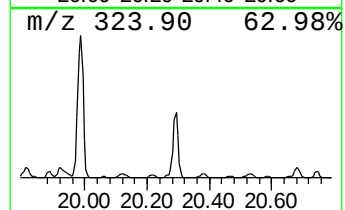
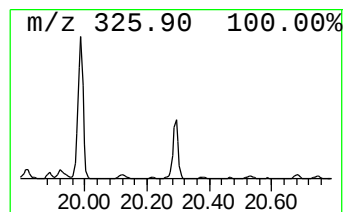
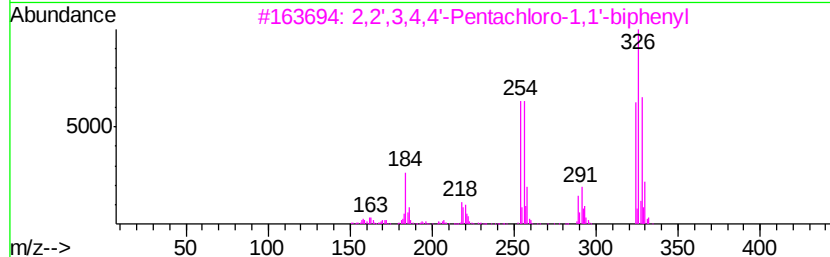
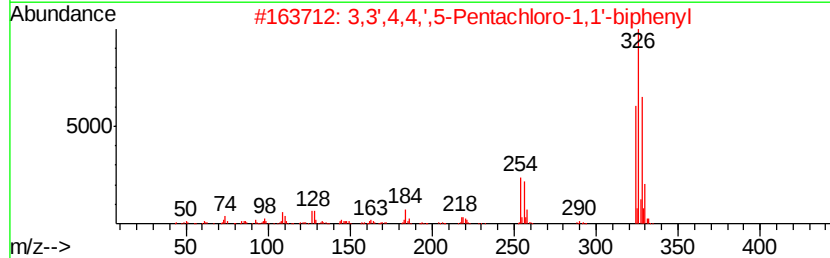
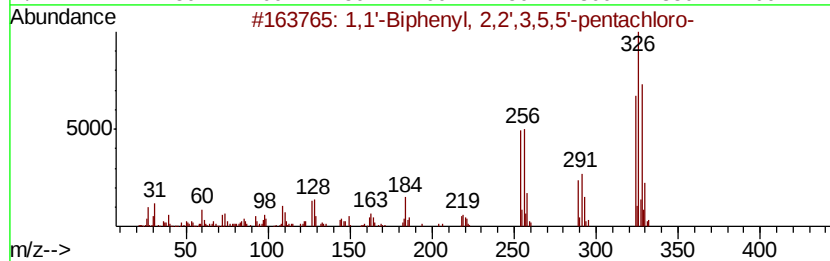
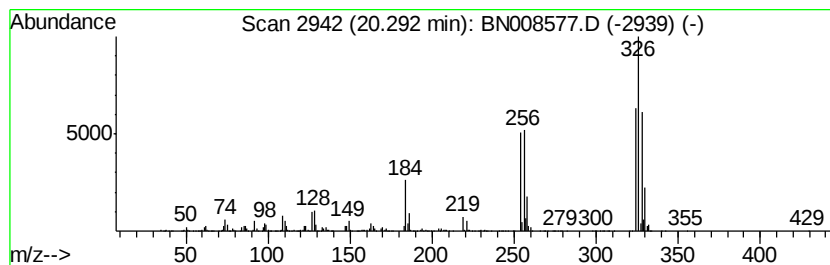
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	17.44 ng/ul	4362310	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95
2		3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	95
3		2,2',3,4,4'-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	95
4		2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	95
5		2,3,3',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	068194-10-5	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B00

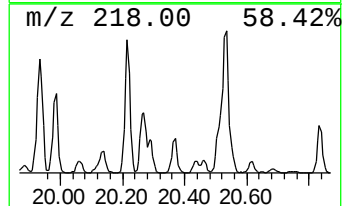
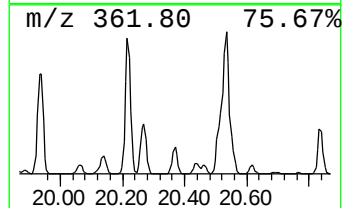
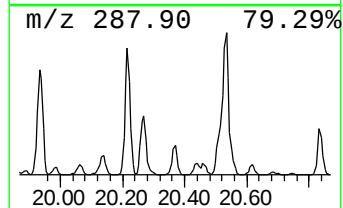
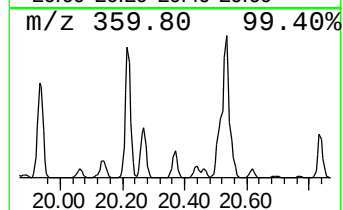
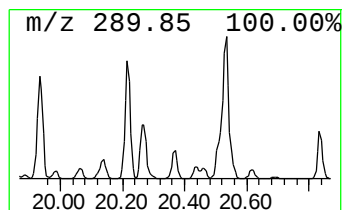
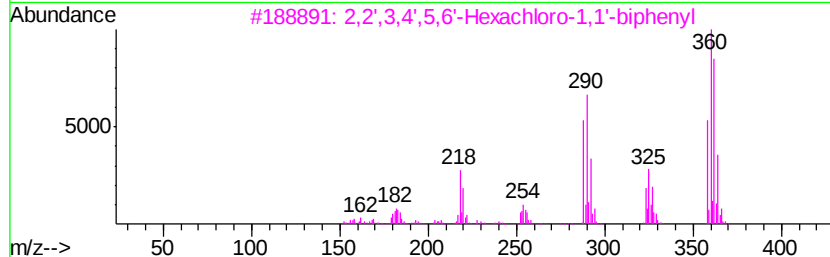
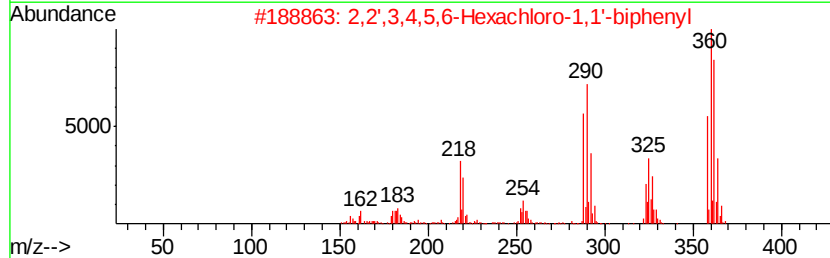
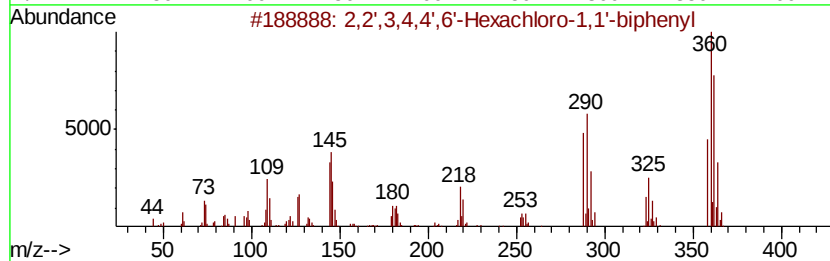
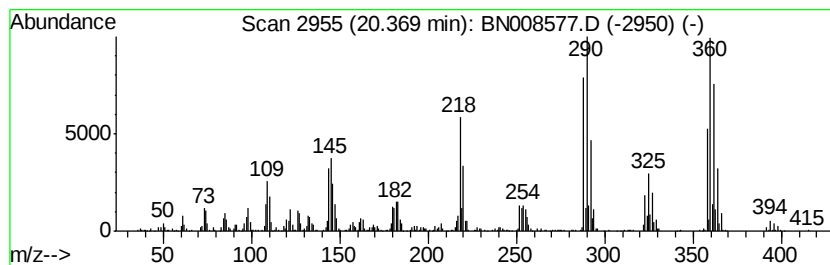
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 2,2',3,4,4',6'-Hexachloro-1... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	7.83 ng/ul	1957820	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99		
2	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99		
3	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99		
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99		
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

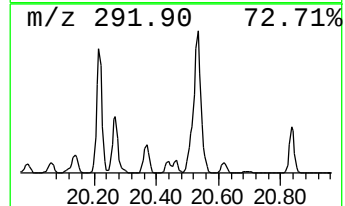
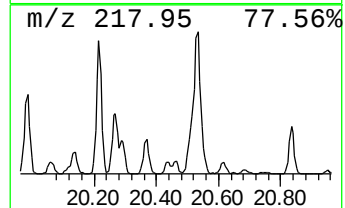
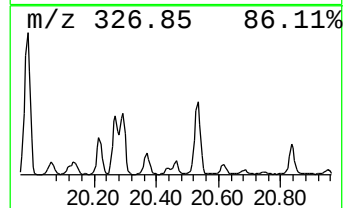
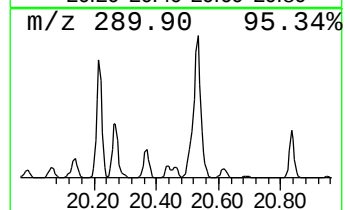
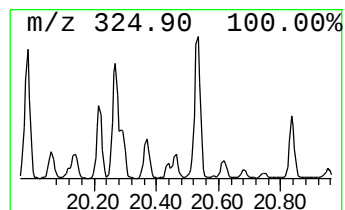
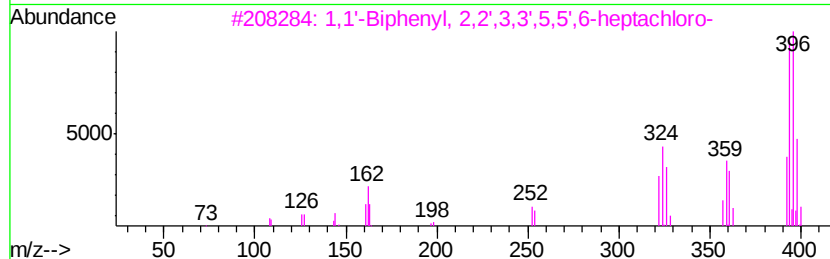
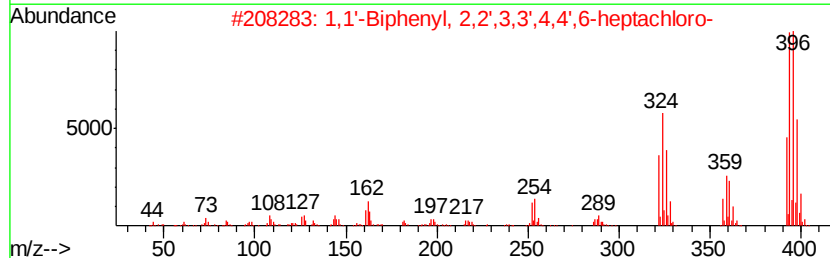
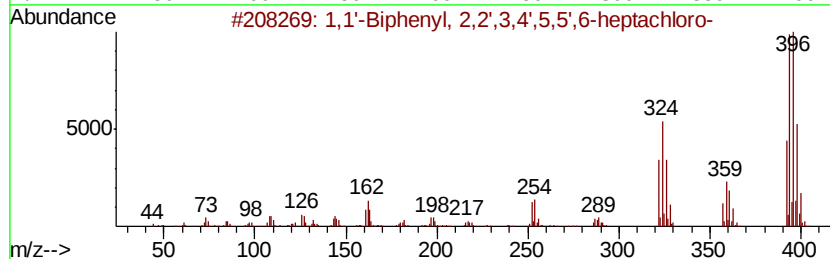
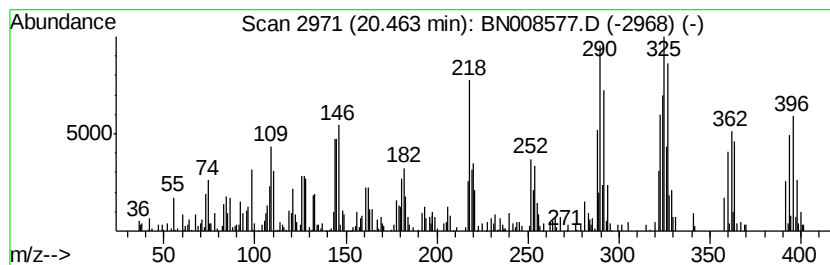
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.69 ng/ul	672777	Chrysene-d12	21.19
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392 C12H3Cl7	052663-68-0	64
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392 C12H3Cl7	052663-71-5	56
3	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392 C12H3Cl7	052663-67-9	46
4	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392 C12H3Cl7	060145-23-5	41
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392 C12H3Cl7	060145-23-5	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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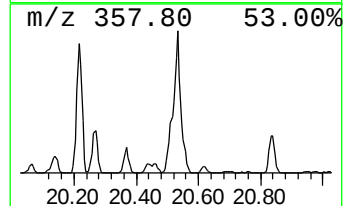
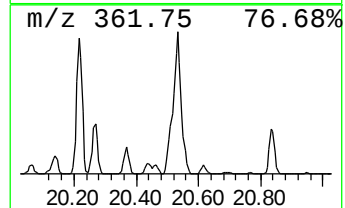
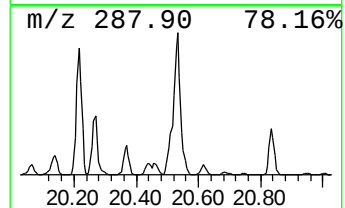
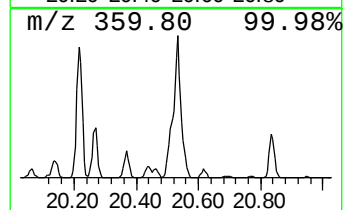
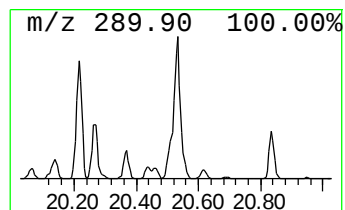
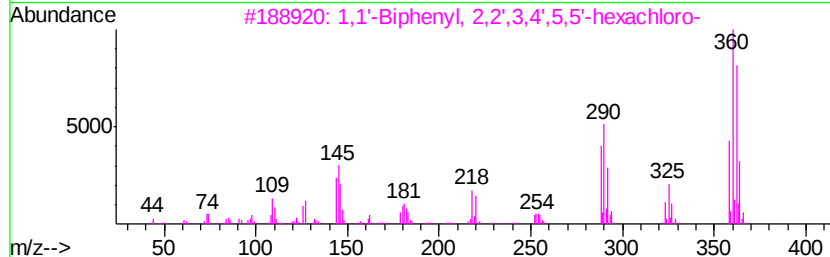
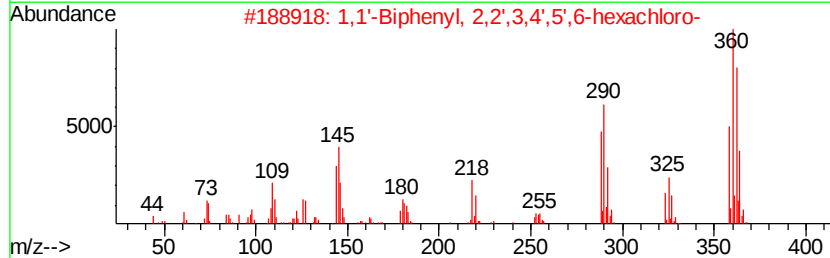
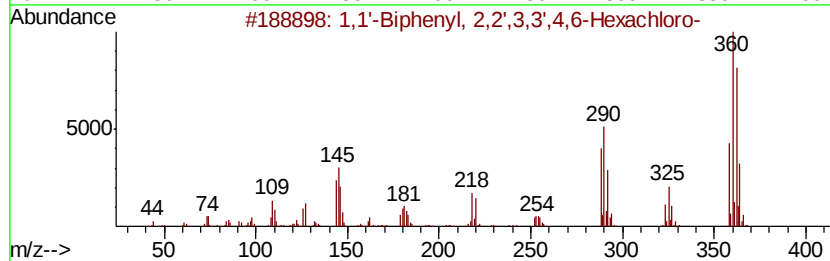
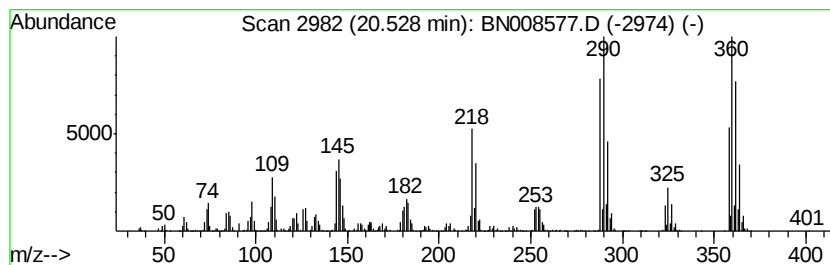
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	44.97 ng/ul	11245800	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
5		2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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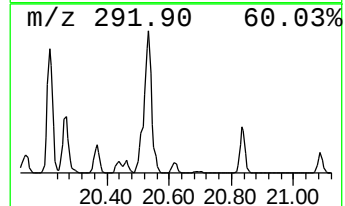
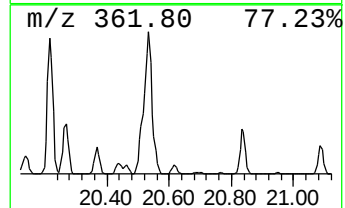
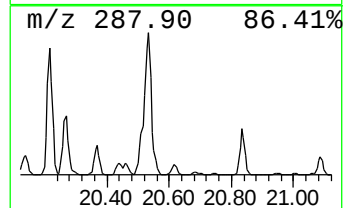
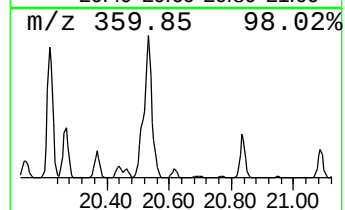
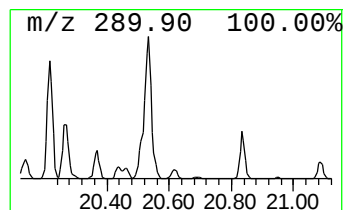
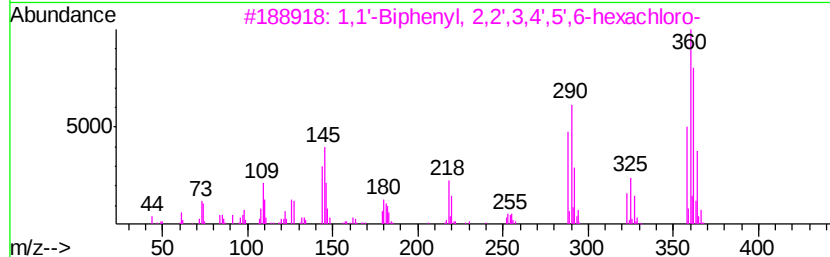
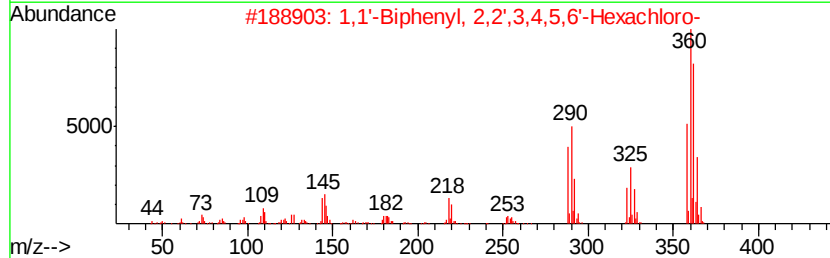
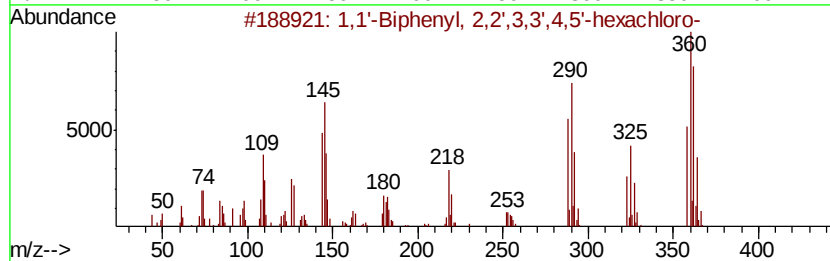
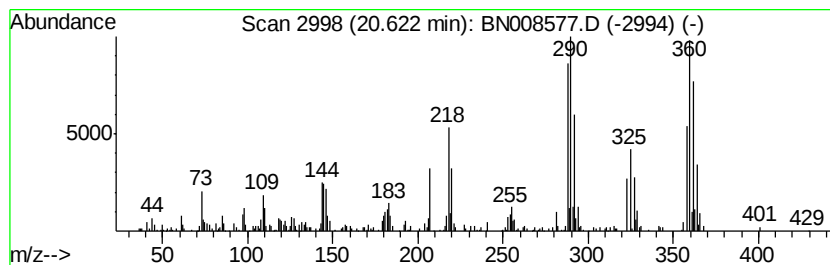
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.03 ng/ul	506661	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	96
3		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
4		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	96
5		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B00

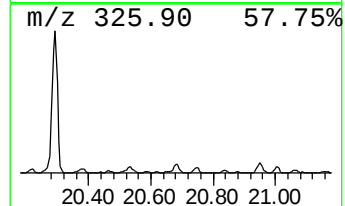
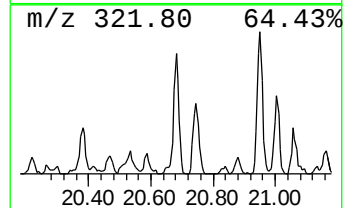
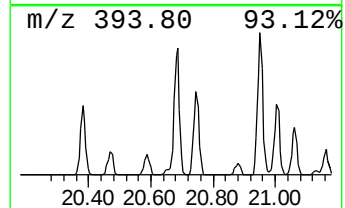
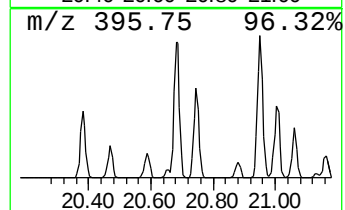
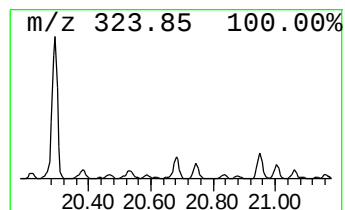
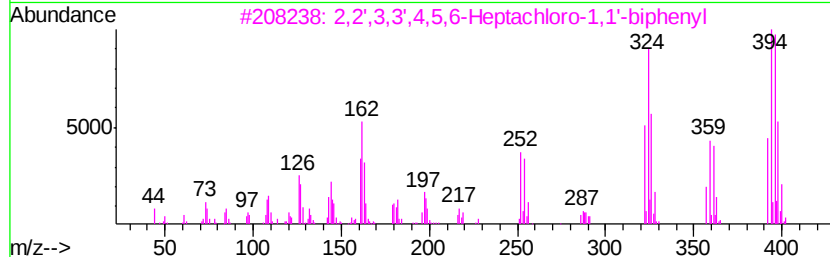
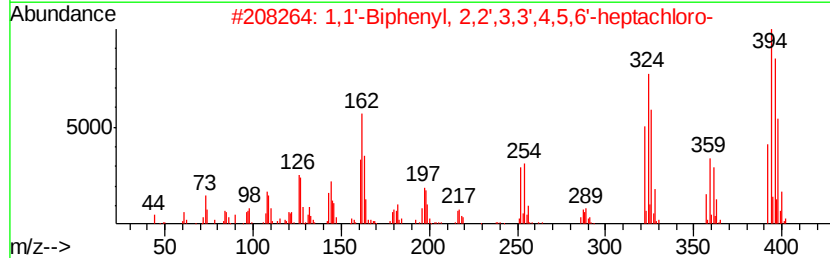
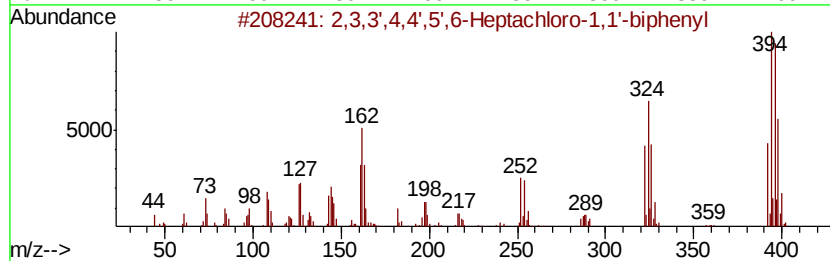
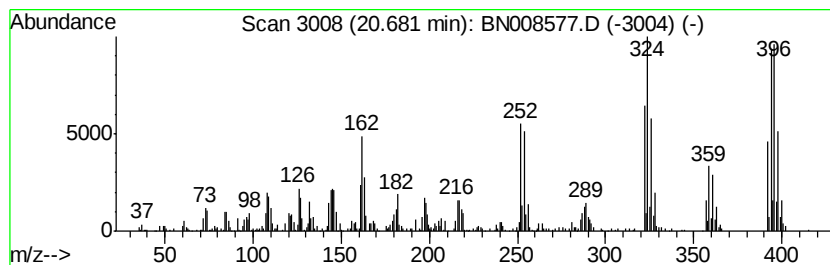
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 2,3,3',4,4',5',6-Heptachlor... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.68	3.82 ng/ul	955314	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99		
2	1,1'-Biphenyl, 2,2',3,3',4,5,6'-...	392	C12H3Cl7	038411-25-5	99		
3	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99		
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99		
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

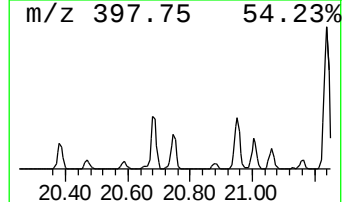
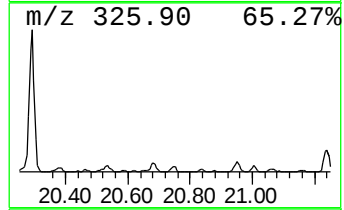
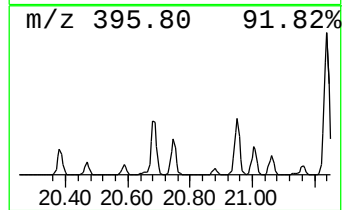
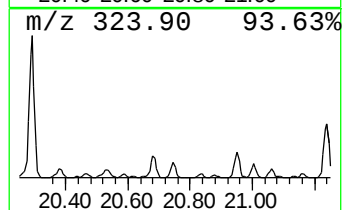
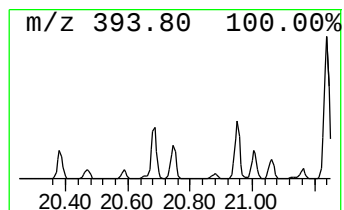
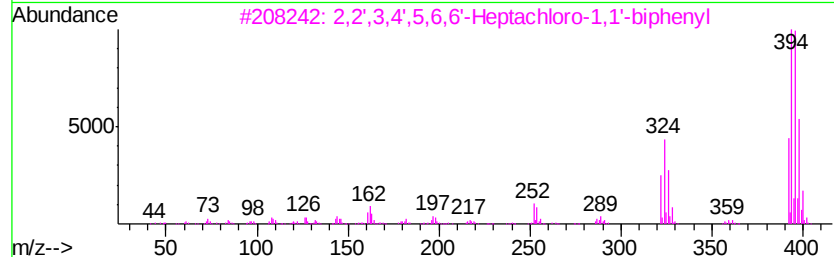
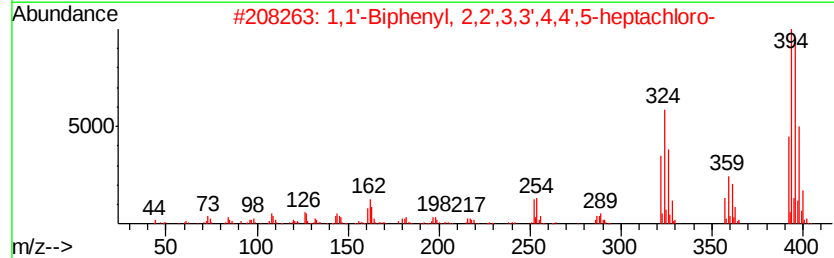
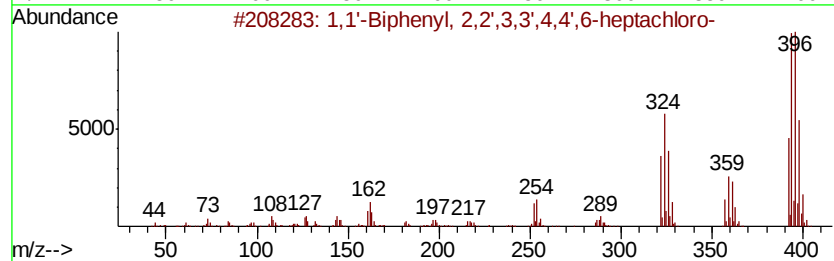
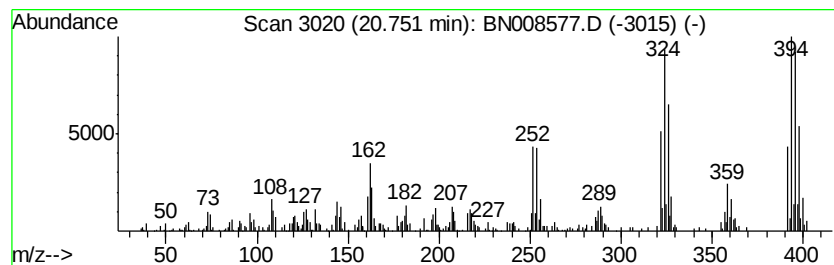
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.75	2.37 ng/ul	591712	Chrysene-d12	21.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2	1,1'	-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
3	2,2',3,4',5,6,6'	-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99
4	1,1'	-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
5	1,1'	-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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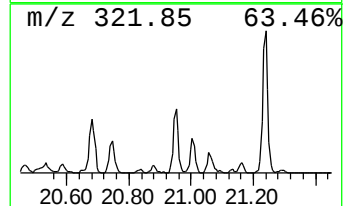
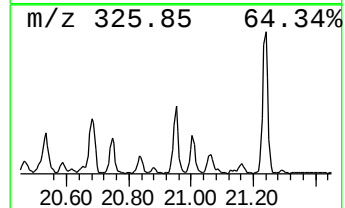
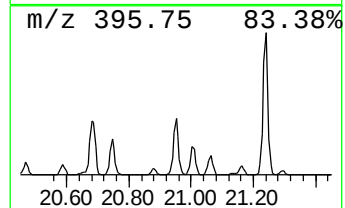
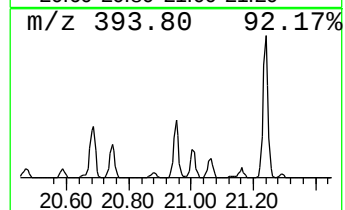
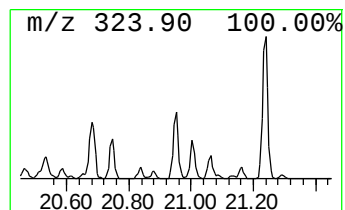
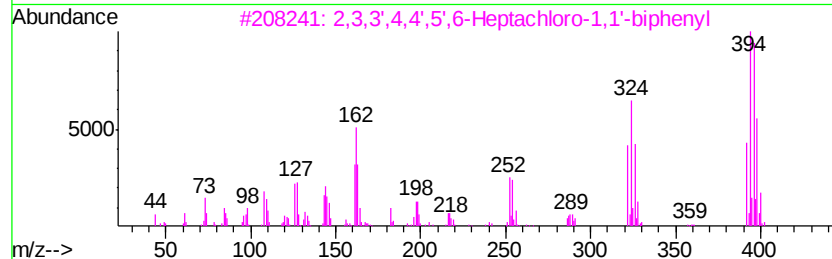
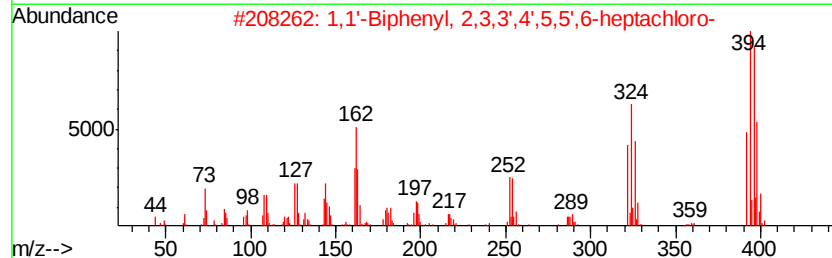
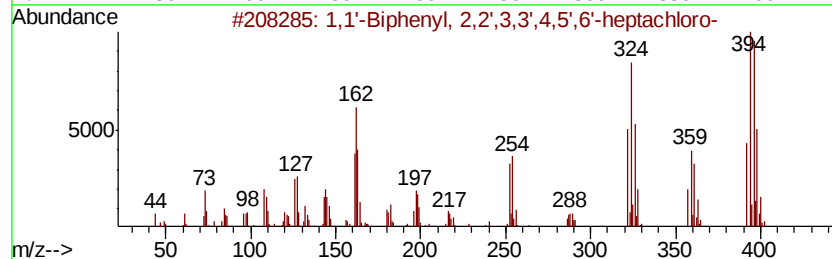
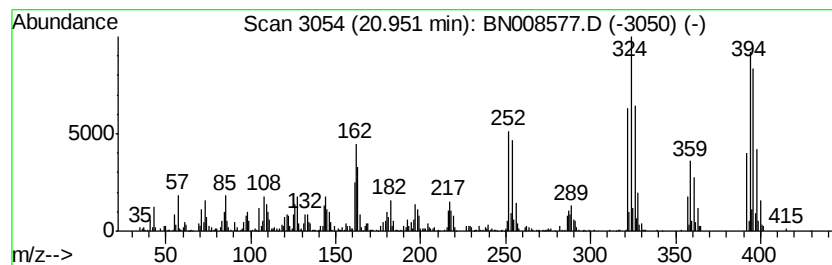
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	4.10 ng/ul	1026360	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99	
2	1,1'	-Biphenyl, 2,3,3',4',5,5',6-...	392	C12H3Cl7	069782-91-8	99	
3	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99		
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99		
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

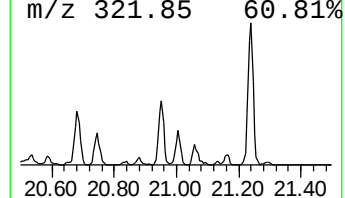
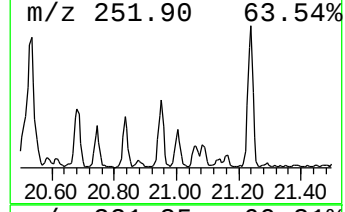
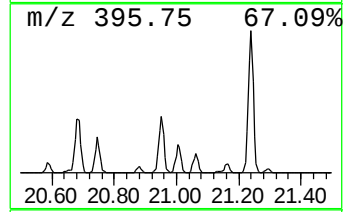
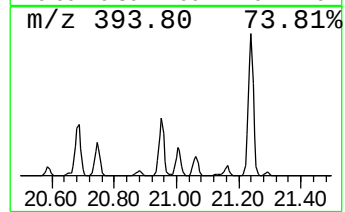
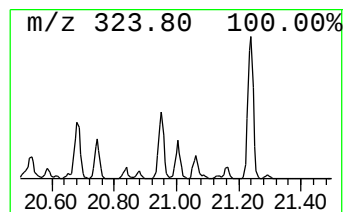
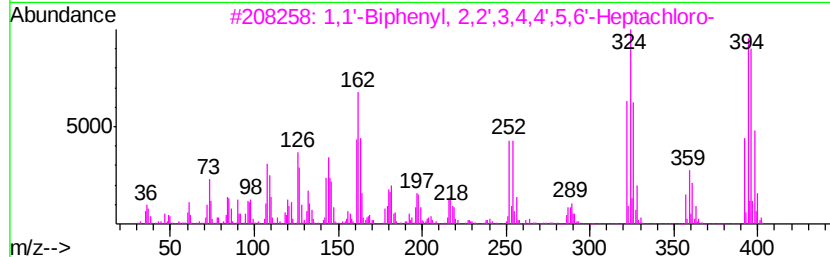
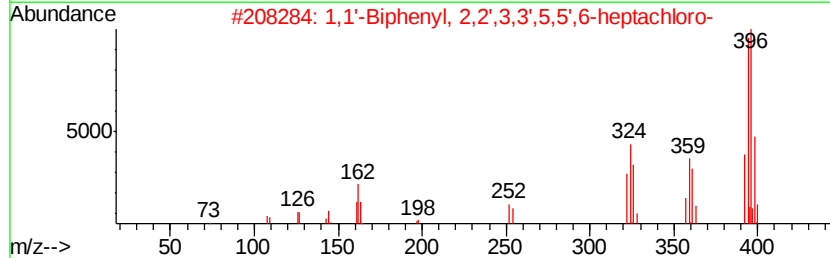
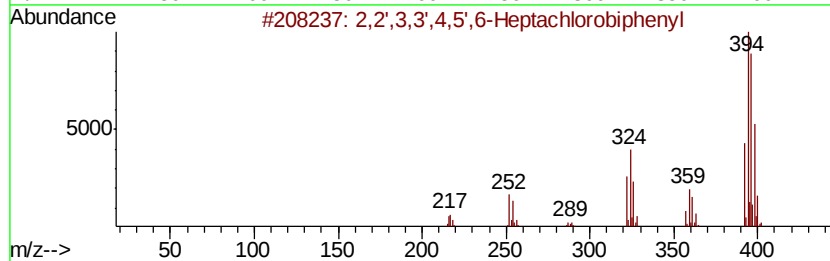
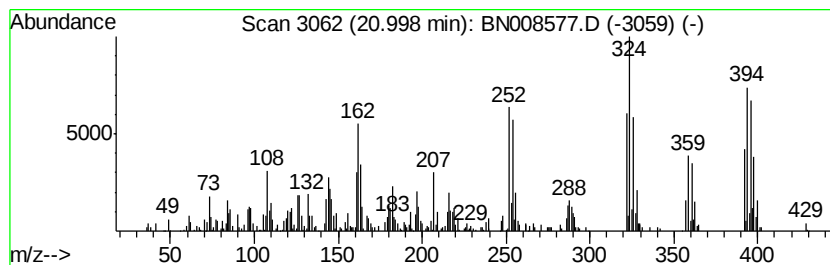
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.00	2.49 ng/ul	623758	Chrysene-d12	21.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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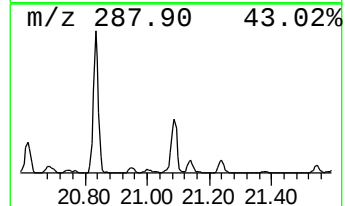
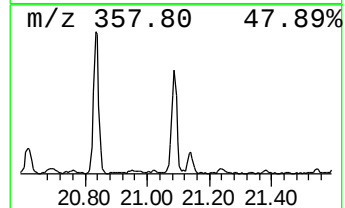
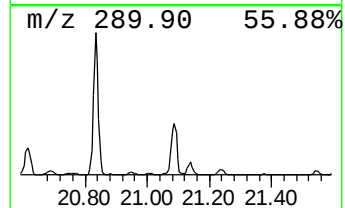
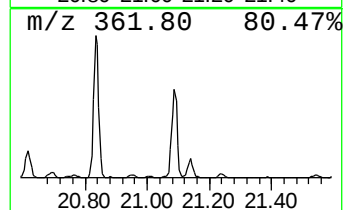
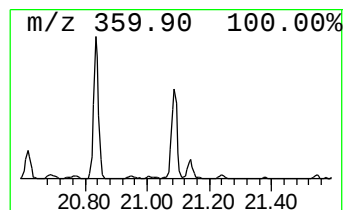
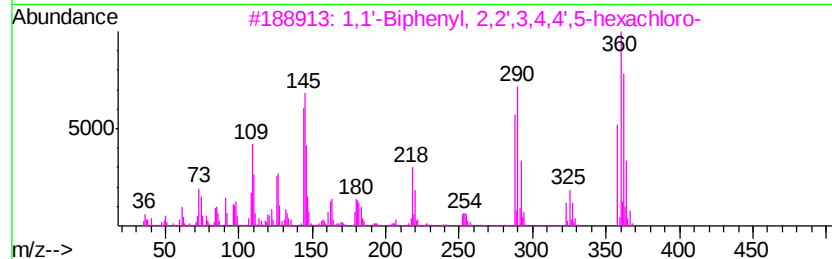
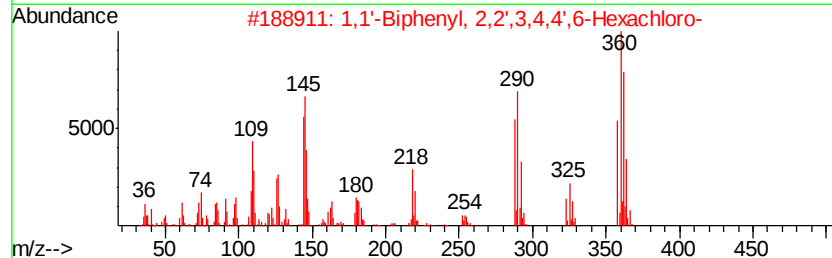
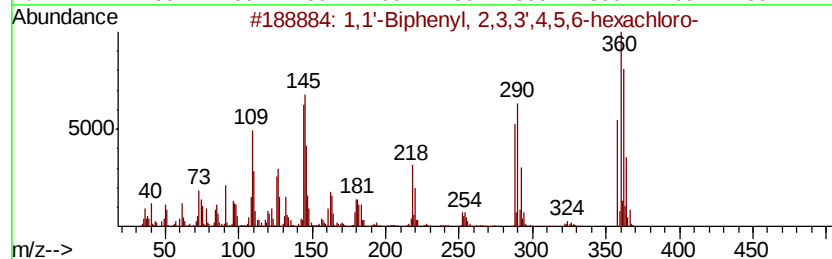
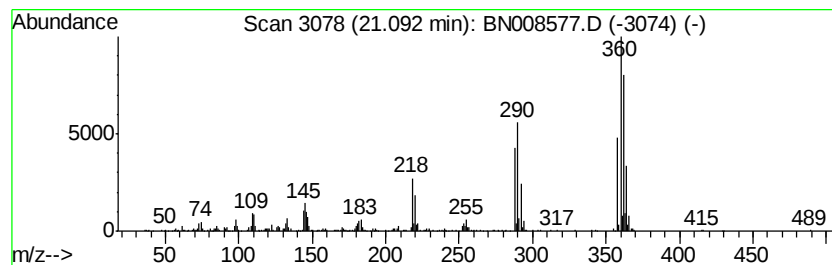
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	4.48 ng/ul	1119430	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98
2		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	98
3		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	98
4		2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	97
5		1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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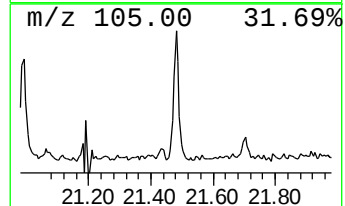
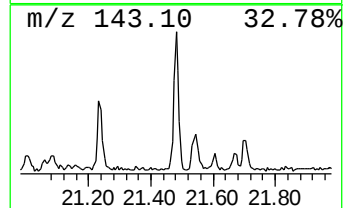
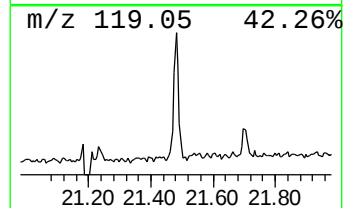
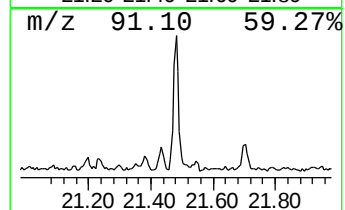
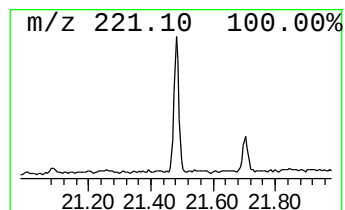
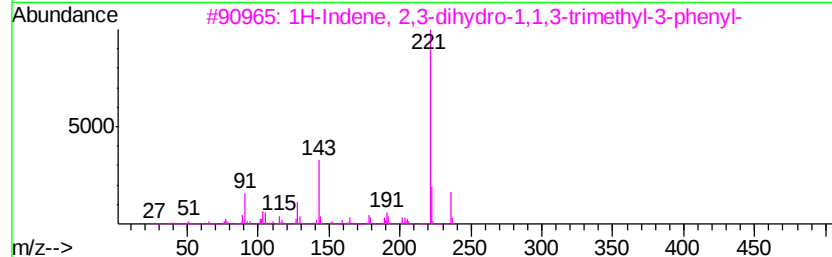
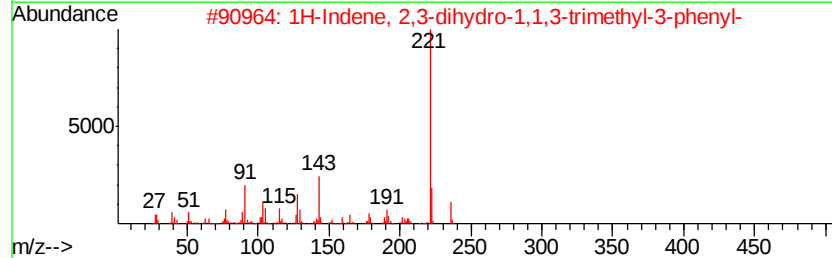
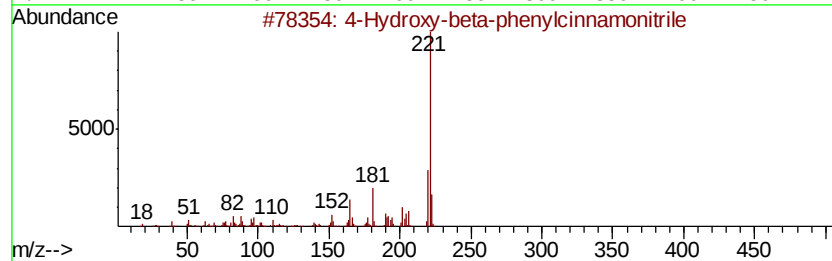
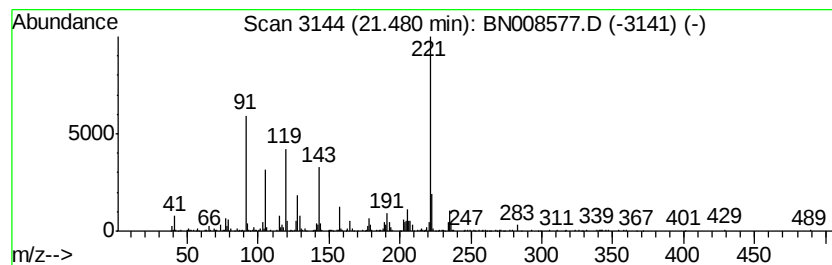
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 4-Hydroxy-beta-phenylcinnam... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	2.29 ng/ul	571856	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Hydroxy-beta-phenylcinnam... 221	221	C15H11NO	016281-90-6	55
2		1H-Indene, 2,3-dihydro-1,1,3-tri... 236	236	C18H20	003910-35-8	52
3		1H-Indene, 2,3-dihydro-1,1,3-tri... 236	236	C18H20	003910-35-8	50
4		3,4-Bis-(methylthio)-quinoline 221	221	C11H11NS2	074579-34-3	50
5		2-Methyl-4,4-diphenyl-3,4-dihydr... 298	298	C21H18N2	1000300-40-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111319\
Data File : BN008577.D
Acq On : 15 Nov 2019 04:08
Operator : JU
Sample : K5819-02
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B00

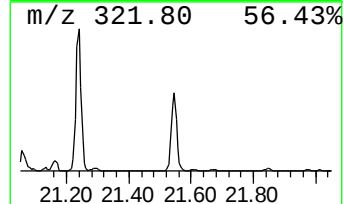
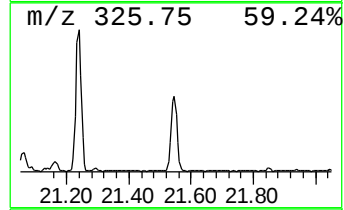
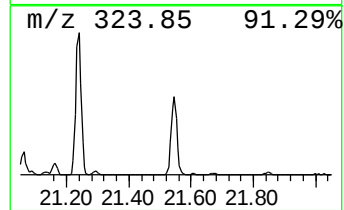
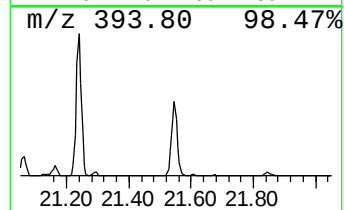
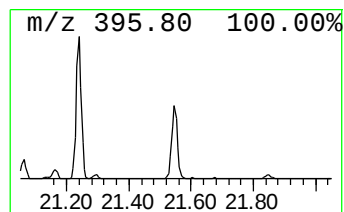
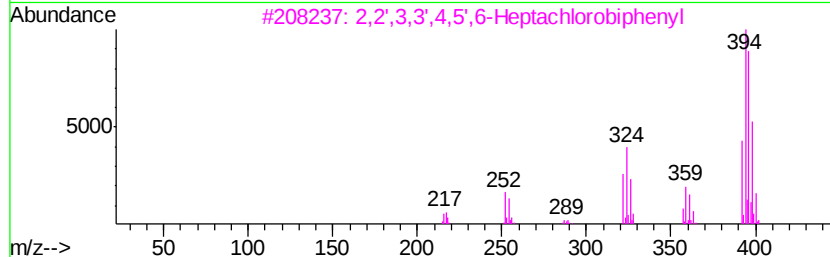
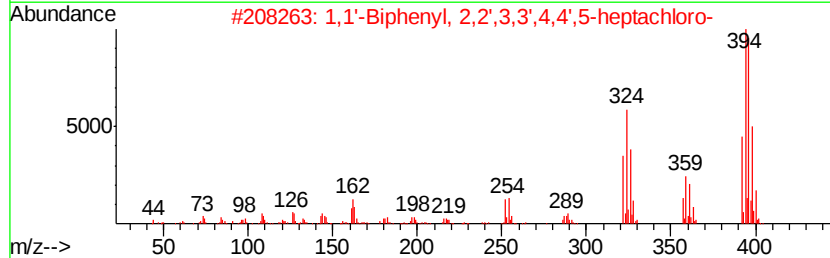
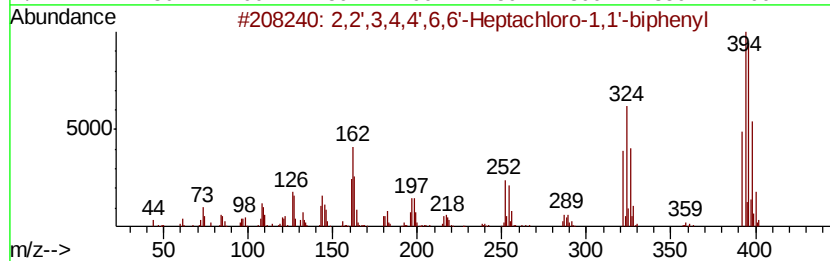
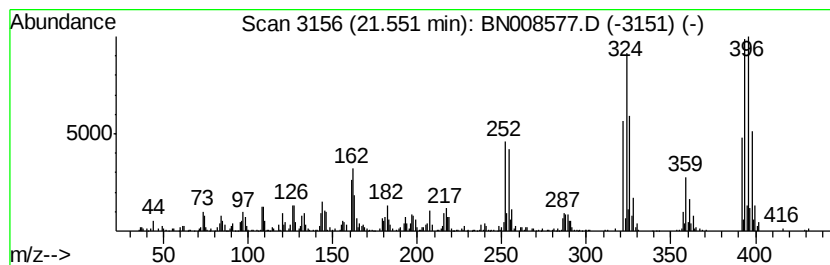
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 2,2',3,4,4',6,6'-Heptachlor... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	4.90 ng/ul	1224310	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99		
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99		
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99		
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99		
5	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111319\
 Data File : BN008577.D
 Acq On : 15 Nov 2019 04:08
 Operator : JU
 Sample : K5819-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B00

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN111319MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	3.16	7.0	ng/ul	1086060	1	7.63	3102190	20.0
1,1'-Biphenyl, 2'...	17.61	2.1	ng/ul	620578	4	17.00	5843840	20.0
1,1'-Biphenyl, 2,...	18.08	21.0	ng/ul	6141640	4	17.00	5843840	20.0
1,1'-Biphenyl, 2,...	18.14	4.8	ng/ul	1395000	4	17.00	5843840	20.0
2,2',4,5-Tetrachl...	18.37	9.2	ng/ul	2687390	4	17.00	5843840	20.0
2,3,3',6-Tetrachl...	18.54	3.0	ng/ul	881376	4	17.00	5843840	20.0
2,3,4',5-Tetrachl...	18.86	3.9	ng/ul	1150930	4	17.00	5843840	20.0
1,1'-Biphenyl, 2,...	18.90	10.5	ng/ul	3077690	4	17.00	5843840	20.0
1,1'-Biphenyl, 2,...	18.93	32.3	ng/ul	9434450	4	17.00	5843840	20.0
1,1'-Biphenyl, 2,...	19.15	11.1	ng/ul	2772720	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	19.41	2.5	ng/ul	629859	5	21.19	5001430	20.0
2,3,3',4,5'-Penta...	19.67	52.7	ng/ul	13181500	5	21.19	5001430	20.0
2,2',3,4',6,6'-He...	19.80	10.6	ng/ul	2656860	5	21.19	5001430	20.0
2,2',3,4,5,6-Hexa...	19.84	4.5	ng/ul	1134520	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	19.93	25.7	ng/ul	6436620	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.06	2.6	ng/ul	657610	5	21.19	5001430	20.0
2,3',4,4',5',6-He...	20.22	27.4	ng/ul	6865220	5	21.19	5001430	20.0
2,2',3,3',5,6-Hex...	20.27	13.1	ng/ul	3262310	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.29	17.4	ng/ul	4362310	5	21.19	5001430	20.0
2,2',3,4,4',6'-He...	20.37	7.8	ng/ul	1957820	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.46	2.7	ng/ul	672777	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.53	45.0	ng/ul	11245800	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.62	2.0	ng/ul	506661	5	21.19	5001430	20.0
2,3,3',4,4',5',6-...	20.68	3.8	ng/ul	955314	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.75	2.4	ng/ul	591712	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	20.95	4.1	ng/ul	1026360	5	21.19	5001430	20.0
2,2',3,3',4,5',6-...	21.00	2.5	ng/ul	623758	5	21.19	5001430	20.0
1,1'-Biphenyl, 2,...	21.09	4.5	ng/ul	1119430	5	21.19	5001430	20.0
4-Hydroxy-beta-ph...	21.48	2.3	ng/ul	571856	5	21.19	5001430	20.0
2,2',3,4,4',6,6'-...	21.55	4.9	ng/ul	1224310	5	21.19	5001430	20.0