

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
 Data File : BN007827.D
 Acq On : 24 Sep 2019 07:04
 Operator : HP/JU
 Sample : K4977-03
 Misc : GCMS CONFIRMATION
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT3

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-BN091619MA.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	3.017	3	5	12	rVB	446085	458877	5.35%	0.467%
2	3.093	15	18	21	rVV	113076	120070	1.40%	0.122%
3	3.123	21	23	25	rVV	47577	48442	0.56%	0.049%
4	3.146	25	27	29	rVV	73475	64640	0.75%	0.066%
5	3.181	29	33	39	rVB	1397048	1343775	15.65%	1.366%
6	3.481	80	84	85	rBV	34101	35303	0.41%	0.036%
7	3.505	85	88	95	rVB	142291	164645	1.92%	0.167%
8	3.870	147	150	159	rVB5	20858	40190	0.47%	0.041%
9	3.964	161	166	171	rVB2	39421	56913	0.66%	0.058%
10	4.134	193	195	200	rBV5	11918	18421	0.21%	0.019%
11	4.593	269	273	280	rVB3	33269	52084	0.61%	0.053%
12	5.187	369	374	378	rBV5	18570	34878	0.41%	0.035%
13	6.681	622	628	633	rBV2	24876	43029	0.50%	0.044%
14	7.087	693	697	702	rBV6	12623	23789	0.28%	0.024%
15	7.258	722	726	731	rVB5	11757	19188	0.22%	0.020%
16	7.687	791	799	806	rBV	2427534	3788222	44.13%	3.852%
17	7.828	818	823	828	rBV	31489	47303	0.55%	0.048%
18	10.252	1230	1235	1242	rVB5	18971	37877	0.44%	0.039%
19	10.457	1258	1270	1284	rBV	3072518	5182459	60.37%	5.270%
20	10.610	1290	1296	1303	rVB9	25704	68306	0.80%	0.069%
21	10.728	1309	1316	1323	rBV6	37028	72891	0.85%	0.074%
22	10.822	1327	1332	1337	rVV6	15656	24529	0.29%	0.025%
23	10.881	1337	1342	1347	rVV5	24426	40708	0.47%	0.041%
24	10.934	1347	1351	1357	rVV3	36526	66654	0.78%	0.068%
25	11.157	1382	1389	1394	rVV6	23022	43249	0.50%	0.044%
26	11.228	1397	1401	1405	rBV7	15365	28505	0.33%	0.029%
27	12.816	1667	1671	1678	rVV5	35557	53188	0.62%	0.054%
28	13.046	1706	1710	1712	rBV5	15974	21987	0.26%	0.022%
29	13.075	1712	1715	1720	rVB6	15234	25480	0.30%	0.026%
30	13.128	1720	1724	1727	rBV4	14437	23038	0.27%	0.023%
31	13.351	1758	1762	1766	rVV5	14908	20263	0.24%	0.021%
32	13.575	1795	1800	1807	rVB5	14390	27017	0.31%	0.027%
33	13.804	1833	1839	1843	rBV3	19097	31706	0.37%	0.032%
34	13.898	1850	1855	1858	rBV6	9301	16938	0.20%	0.017%

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35	13.940	1859	1862	1871	rVB2	20065	31992	0.37%	0.033%
36	14.016	1871	1875	1880	rBV8	9483	16842	0.20%	0.017%
37	14.316	1919	1926	1939	rBV	4669707	6816678	79.41%	6.932%
38	14.592	1967	1973	1976	rVB7	9961	17720	0.21%	0.018%
39	14.651	1976	1983	1986	rBV2	29800	42298	0.49%	0.043%
40	16.051	2217	2221	2225	rBV6	14289	23895	0.28%	0.024%
41	16.634	2316	2320	2325	rBV6	12983	19310	0.22%	0.020%
42	16.845	2352	2356	2361	rVB3	17564	27808	0.32%	0.028%
43	17.063	2386	2393	2406	rBV2	5552714	8073314	94.05%	8.210%
44	17.157	2406	2409	2413	rVB3	19883	31402	0.37%	0.032%
45	17.251	2420	2425	2431	rBV9	20324	41452	0.48%	0.042%
46	17.669	2490	2496	2501	rBV4	46587	86950	1.01%	0.088%
47	17.781	2511	2515	2524	rVB8	42207	64935	0.76%	0.066%
48	17.916	2535	2538	2543	rBV5	22439	33675	0.39%	0.034%
49	17.969	2543	2547	2555	rVV3	74400	112729	1.31%	0.115%
50	18.139	2570	2576	2581	rBV	1914534	2494409	29.06%	2.537%
51	18.198	2581	2586	2590	rVV	446053	580385	6.76%	0.590%
52	18.239	2590	2593	2598	rVB3	91542	117662	1.37%	0.120%
53	18.422	2619	2624	2629	rBV	805587	1082671	12.61%	1.101%
54	18.469	2629	2632	2639	rVV4	60235	88502	1.03%	0.090%
55	18.563	2644	2648	2651	rVV3	67968	100170	1.17%	0.102%
56	18.598	2651	2654	2659	rVV	274763	352137	4.10%	0.358%
57	18.663	2661	2665	2668	rVV4	38436	53145	0.62%	0.054%
58	18.698	2668	2671	2676	rVB3	54647	70838	0.83%	0.072%
59	18.851	2693	2697	2702	rBV7	27276	37301	0.43%	0.038%
60	18.910	2702	2707	2711	rBV	369339	477462	5.56%	0.486%
61	18.963	2711	2716	2718	rVV	782538	1137069	13.25%	1.156%
62	18.992	2718	2721	2728	rVV2	2860953	3744670	43.62%	3.808%
63	19.075	2730	2735	2740	rVV	423314	537066	6.26%	0.546%
64	19.198	2751	2756	2764	rBV3	639759	1088659	12.68%	1.107%
65	19.275	2764	2769	2775	rVV	4175700	5795749	67.52%	5.894%
66	19.339	2775	2780	2788	rVB	1576762	1956502	22.79%	1.990%
67	19.410	2789	2792	2797	rVB5	57062	65434	0.76%	0.067%
68	19.469	2797	2802	2806	rBV3	200673	266681	3.11%	0.271%
69	19.539	2809	2814	2819	rBV	1177096	1442701	16.81%	1.467%
70	19.616	2819	2827	2832	rBV	1968663	2498871	29.11%	2.541%
71	19.669	2832	2836	2839	rVV	644025	765893	8.92%	0.779%

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72	19.722	2839	2845	2851	rVB	4127184	5420417	63.14%	5.512%
73	19.869	2862	2870	2872	rBV2	480610	946248	11.02%	0.962%
74	19.892	2872	2874	2880	rVV2	282912	490674	5.72%	0.499%
75	19.939	2880	2882	2885	rVV	214846	245095	2.86%	0.249%
76	19.992	2885	2891	2895	rVV2	1668166	2356472	27.45%	2.396%
77	20.039	2895	2899	2905	rVV	3765367	4440619	51.73%	4.516%
78	20.116	2908	2912	2917	rVB2	200505	253612	2.95%	0.258%
79	20.192	2917	2925	2930	rBV3	352947	633584	7.38%	0.644%
80	20.269	2933	2938	2943	rBV	2082456	2395384	27.90%	2.436%
81	20.322	2943	2947	2949	rVV	1070850	1425585	16.61%	1.450%
82	20.345	2949	2951	2956	rVB	1679037	1760101	20.50%	1.790%
83	20.422	2960	2964	2970	rVB	462059	578824	6.74%	0.589%
84	20.492	2972	2976	2978	rBV2	224465	295722	3.44%	0.301%
85	20.516	2978	2980	2984	rVV3	228833	244346	2.85%	0.248%
86	20.586	2984	2992	2999	rVV	2596299	4299296	50.08%	4.372%
87	20.669	3003	3006	3011	rVV2	190348	240637	2.80%	0.245%
88	20.739	3014	3018	3023	rVB7	122977	169118	1.97%	0.172%
89	20.798	3025	3028	3036	rBV7	89372	115161	1.34%	0.117%
90	20.892	3039	3044	3049	rBV	897312	1051197	12.25%	1.069%
91	21.004	3059	3063	3068	rBV4	164653	206548	2.41%	0.210%
92	21.057	3069	3072	3076	rVB5	100079	124776	1.45%	0.127%
93	21.116	3079	3082	3083	rBV3	72475	78104	0.91%	0.079%
94	21.145	3083	3087	3091	rVB	363859	456480	5.32%	0.464%
95	21.192	3092	3095	3098	rVV3	93007	108800	1.27%	0.111%
96	21.257	3100	3106	3110	rVV	6931893	8584228	100.00%	8.729%
97	21.292	3110	3112	3117	rVB3	371644	398890	4.65%	0.406%
98	21.374	3123	3126	3133	rVB2	93704	129323	1.51%	0.132%
99	21.604	3161	3165	3170	rBV2	233679	312932	3.65%	0.318%
100	23.474	3475	3483	3498	rVB2	4227424	8238264	95.97%	8.377%

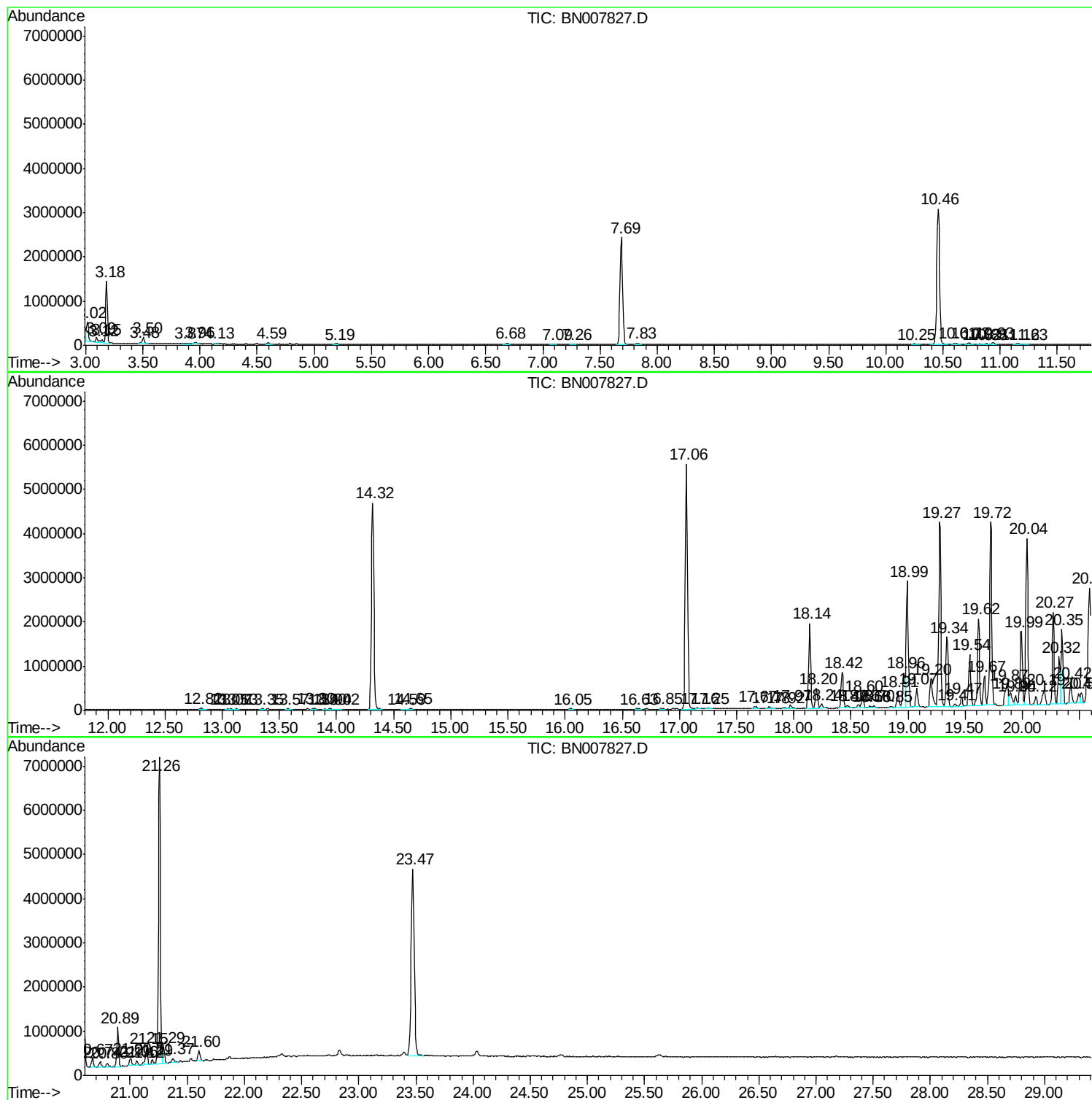
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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



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Misc : GCMS CONFIRMATION
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Instrument :
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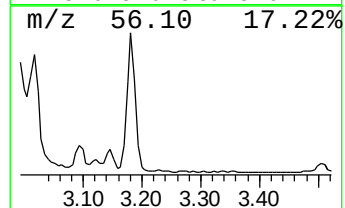
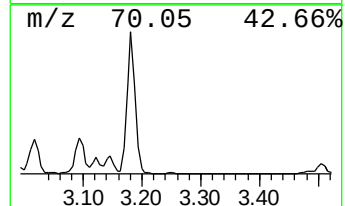
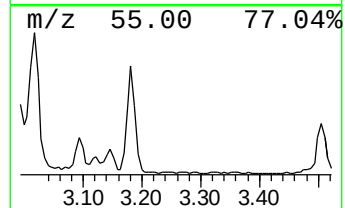
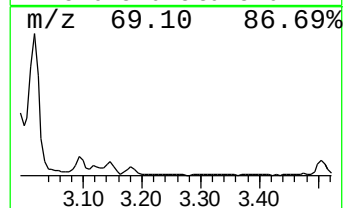
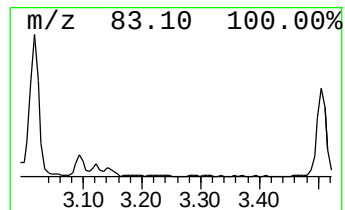
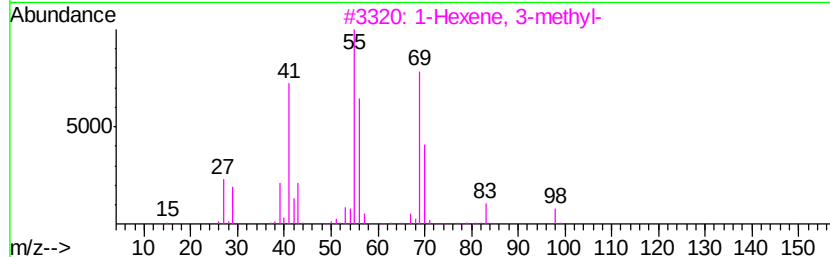
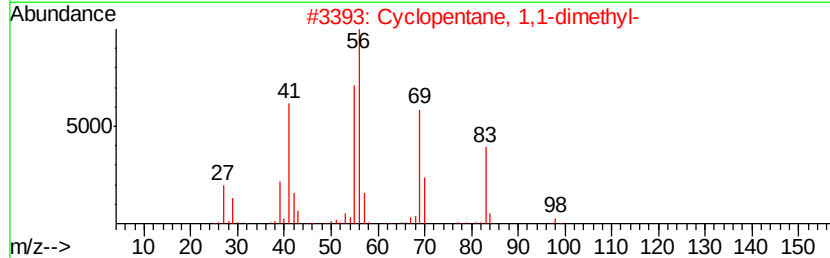
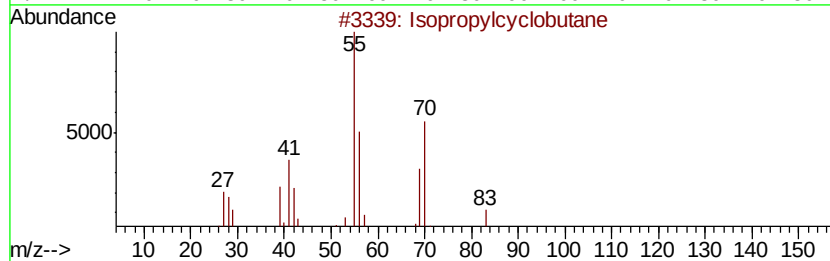
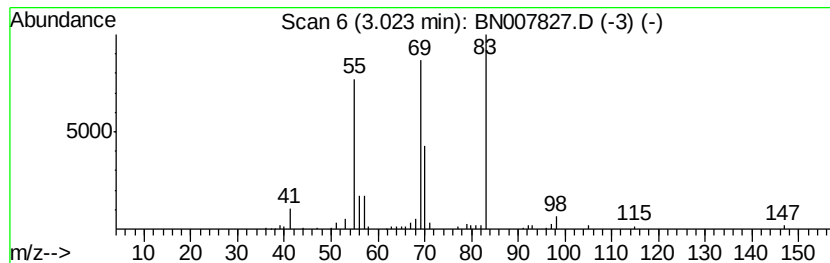
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic3.02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.42 ng/ul	458877	1,4-Dichlorobenzene-d4	7.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	50
2		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43
3		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	40
4		(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	38
5		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	30



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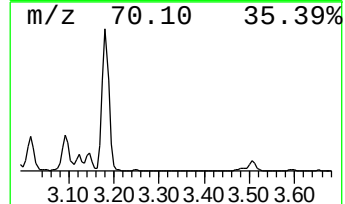
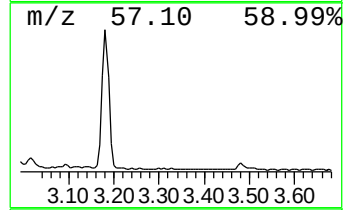
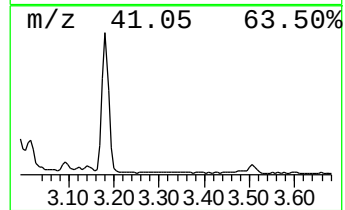
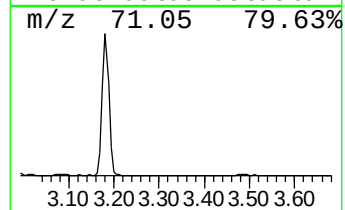
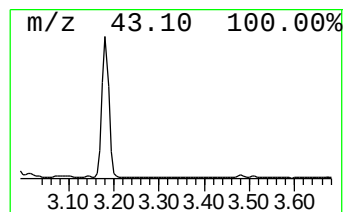
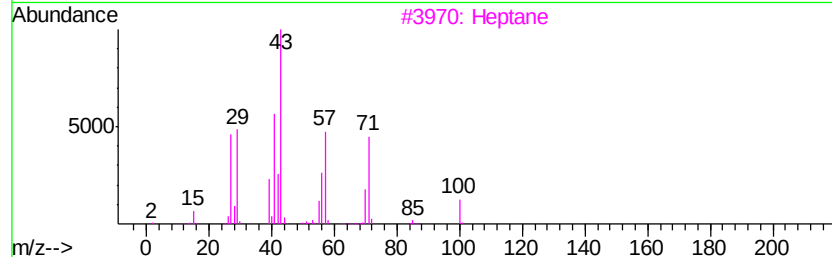
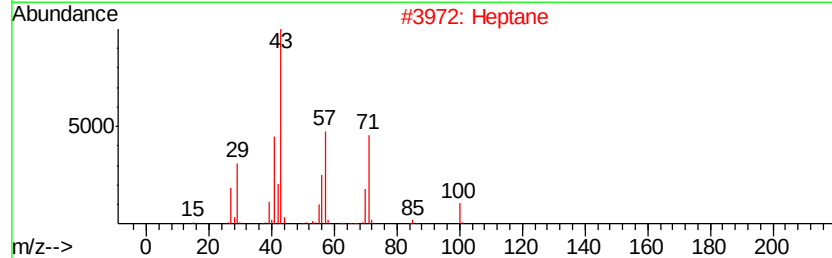
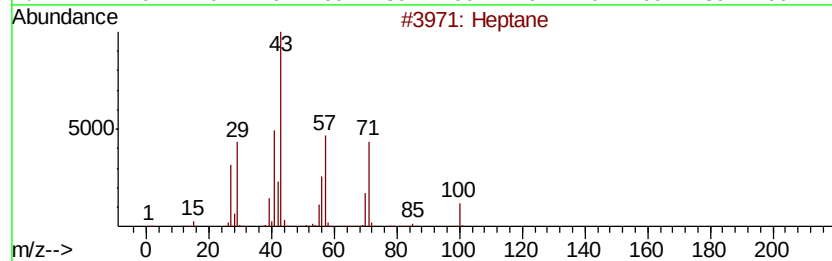
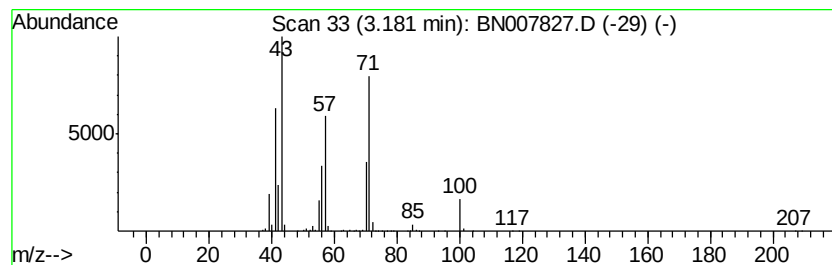
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	7.09 ng/ul	1343780	1,4-Dichlorobenzene-d4	7.69

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	90
4		Heptane	100	C7H16	000142-82-5	64
5		Cis-3-methylpent-3-ene-5-ol	100	C6H12O	030804-75-2	47



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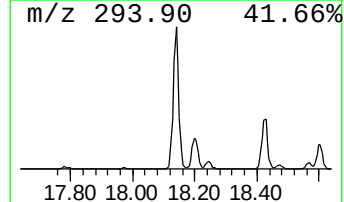
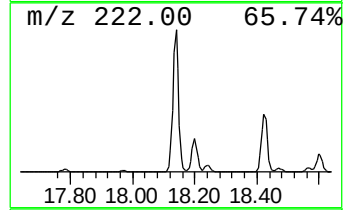
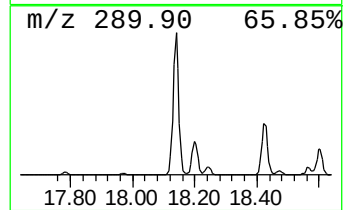
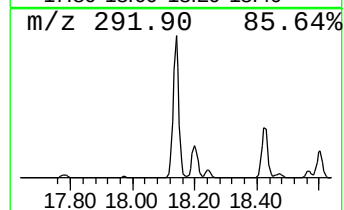
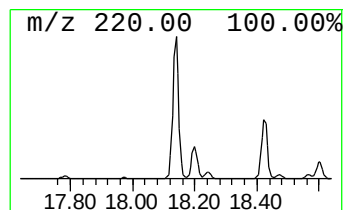
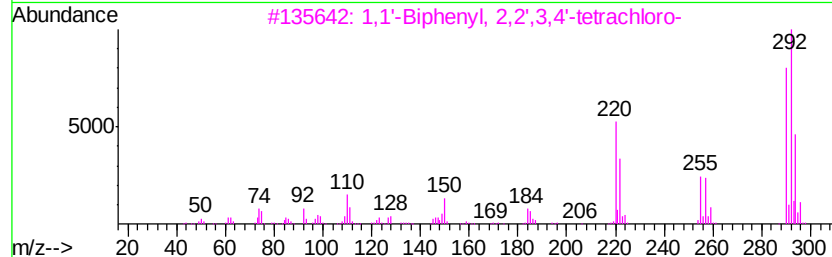
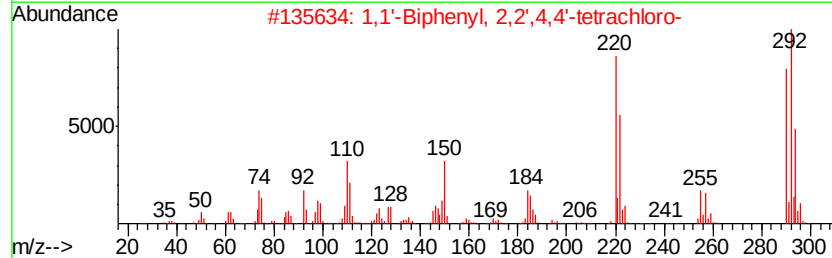
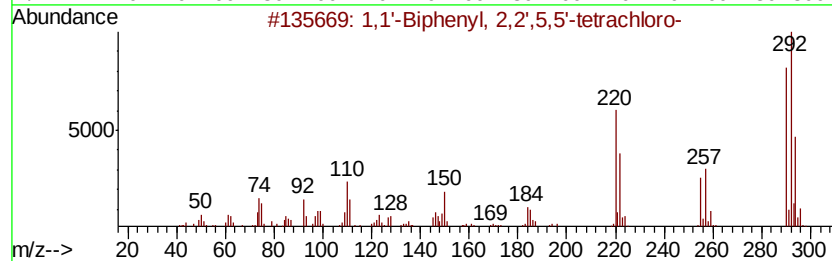
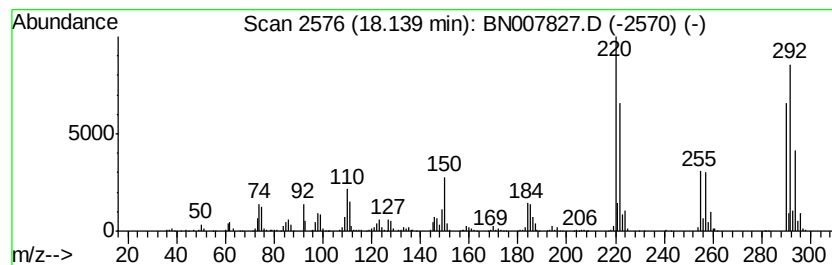
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Peak Number 3 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.14	6.18 ng/ul	2494410	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

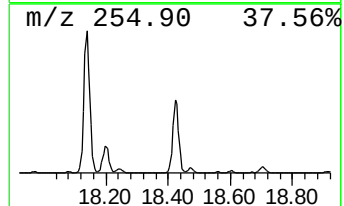
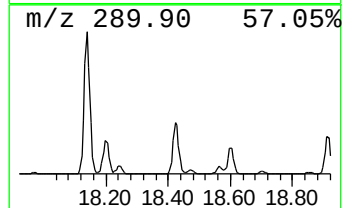
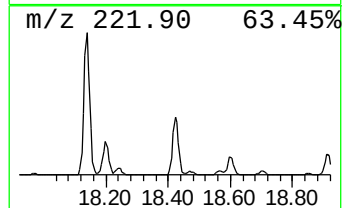
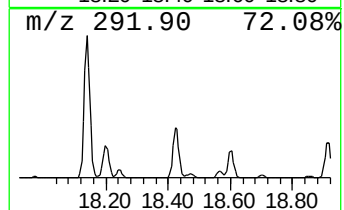
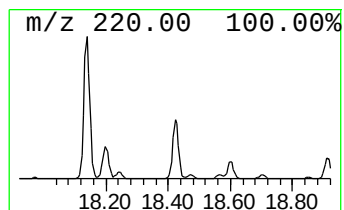
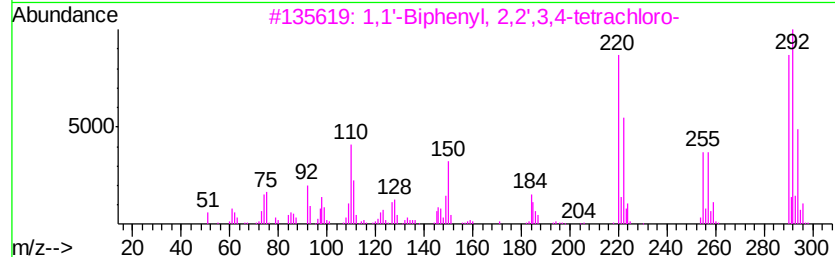
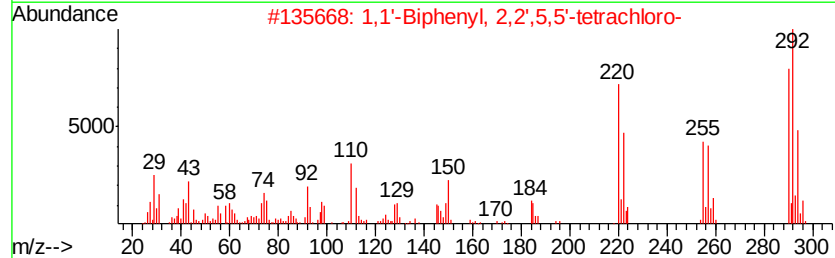
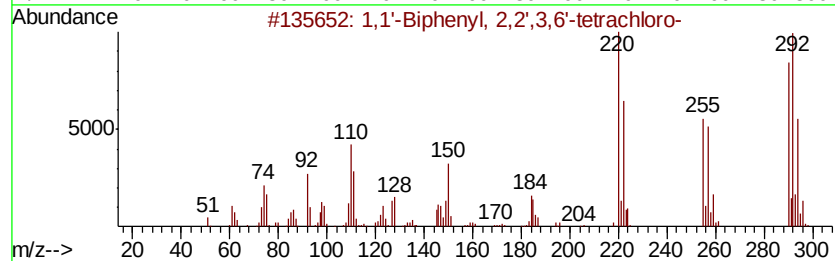
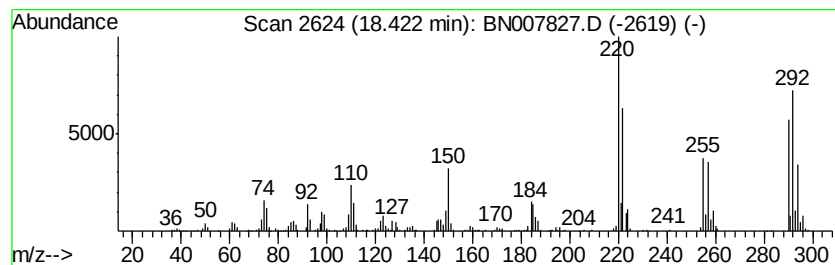
Instrument :
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 2,2',3,6'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.42	2.68 ng/ul	1082670	Phenanthrene-d10	17.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99	
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99	
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99	
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99	
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

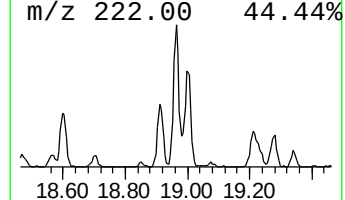
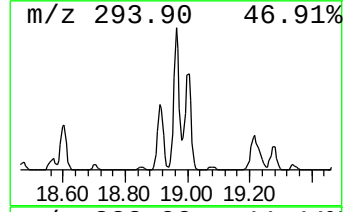
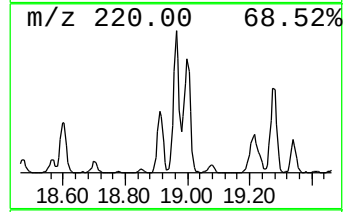
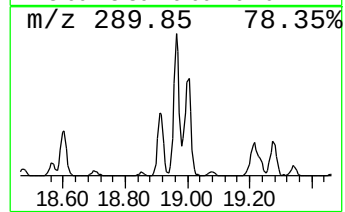
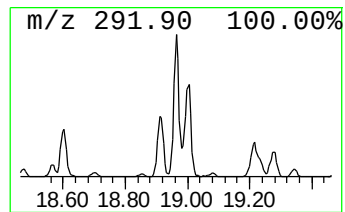
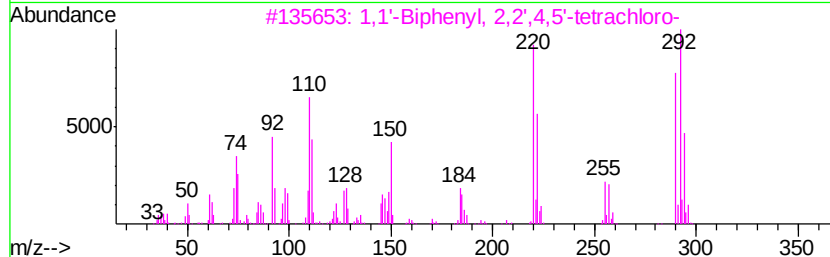
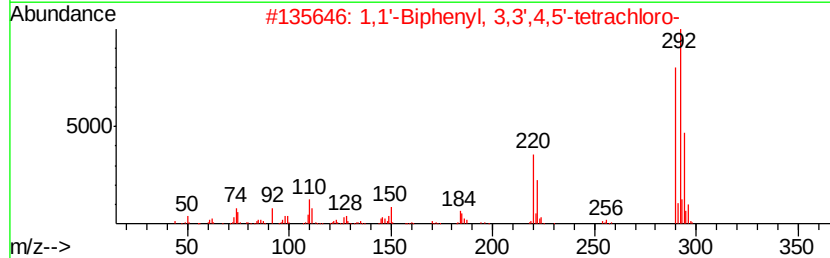
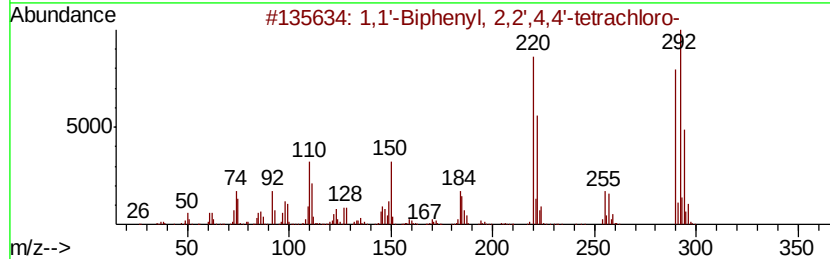
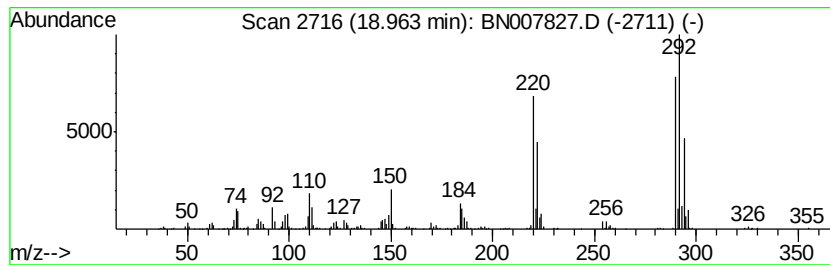
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.96	2.82 ng/ul	1137070	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
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Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

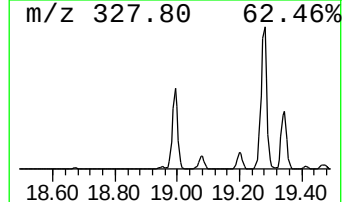
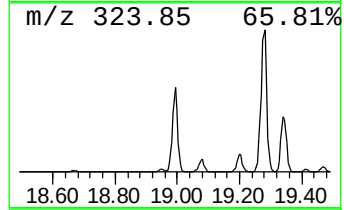
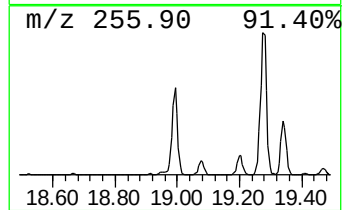
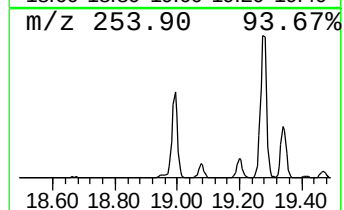
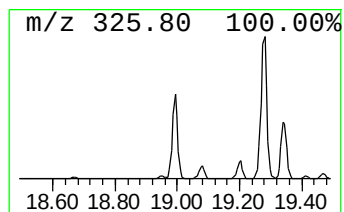
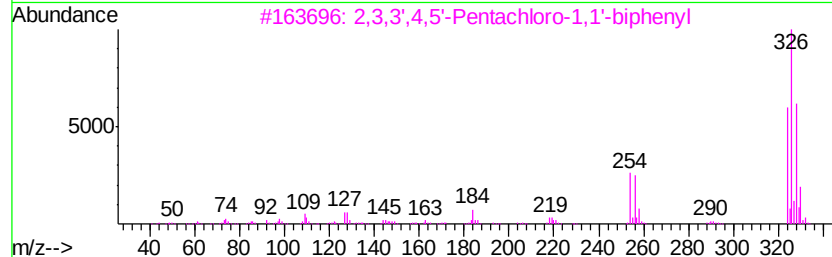
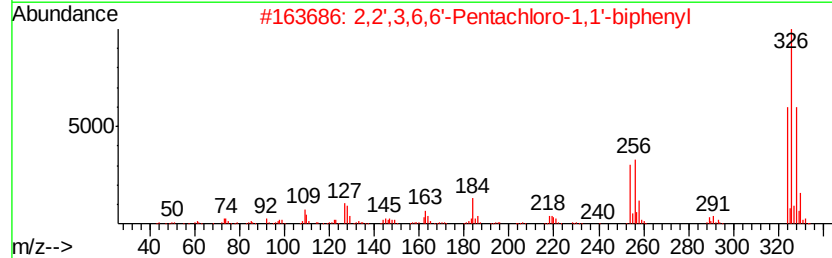
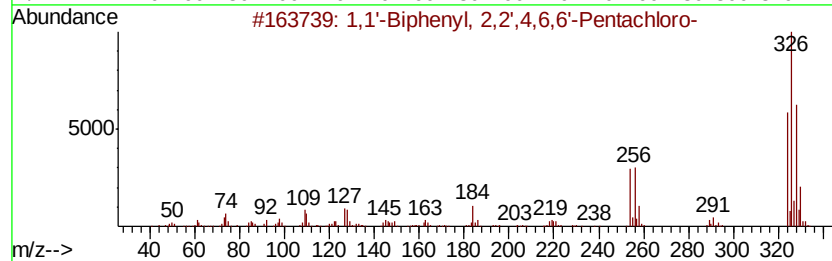
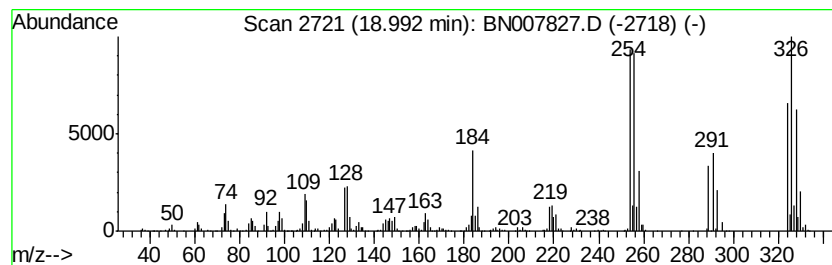
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.99	9.28 ng/ul	3744670	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
2	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

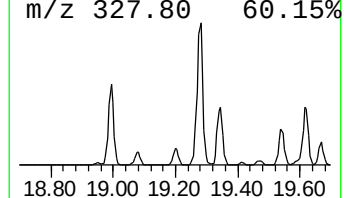
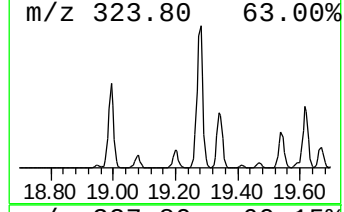
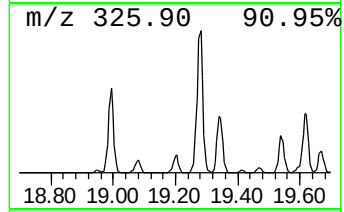
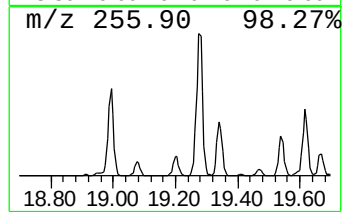
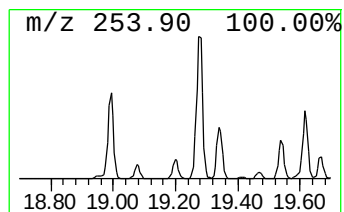
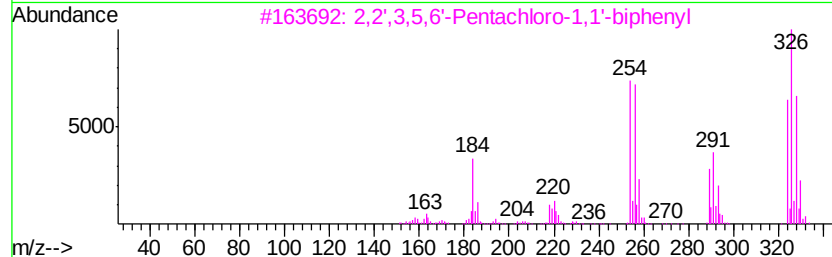
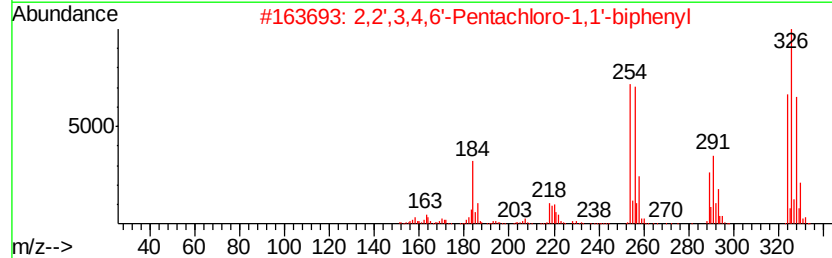
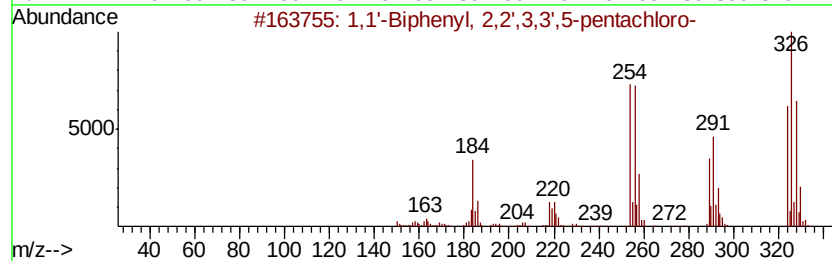
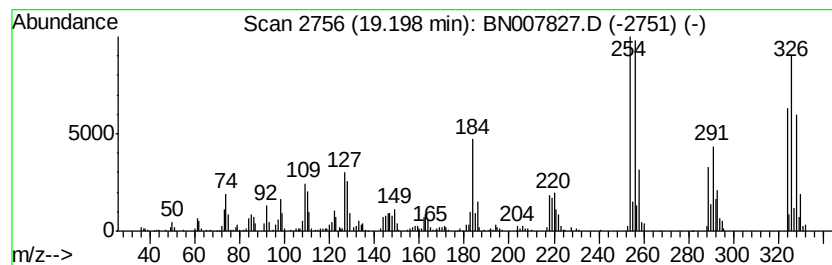
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.54 ng/ul	1088660	Chrysene-d12	21.26
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	2,2',3,4,6'-Pentachloro-1,1'-bip...	324 C12H5Cl5	073575-57-2	99
3	2,2',3,5,6'-Pentachloro-1,1'-bip...	324 C12H5Cl5	073575-55-0	99
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324 C12H5Cl5	057465-28-8	99
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324 C12H5Cl5	039485-83-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
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Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

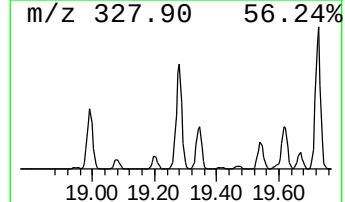
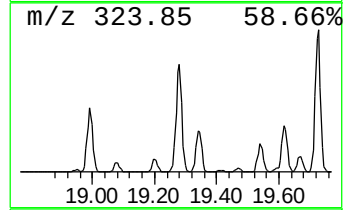
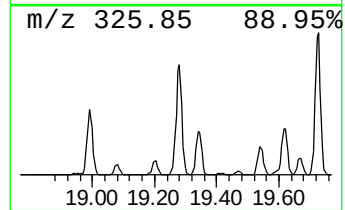
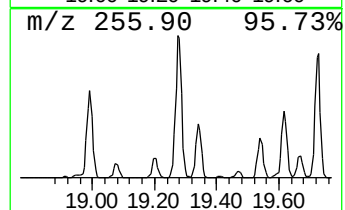
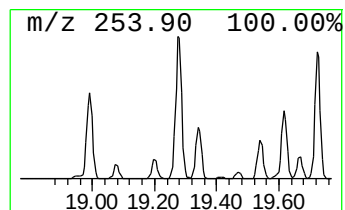
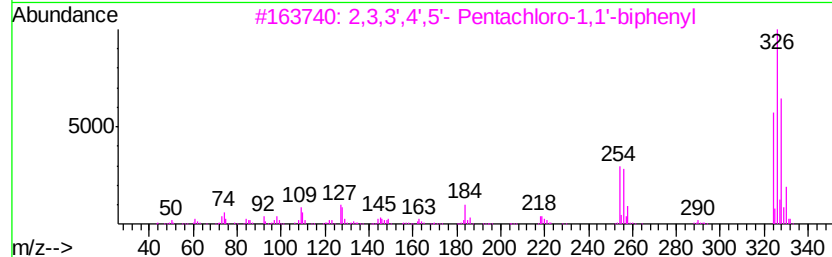
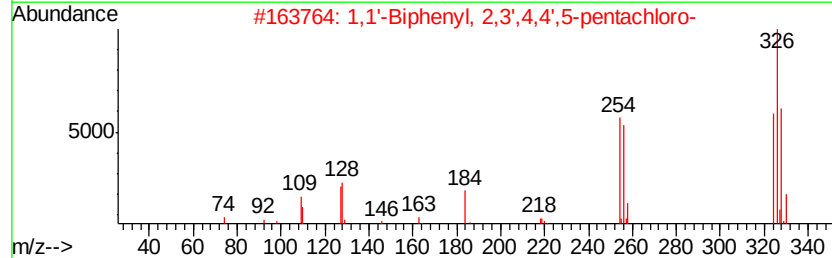
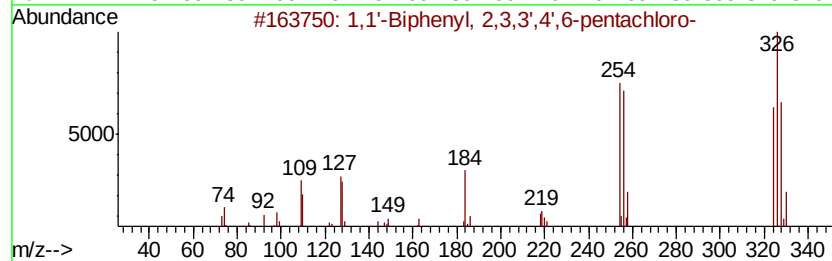
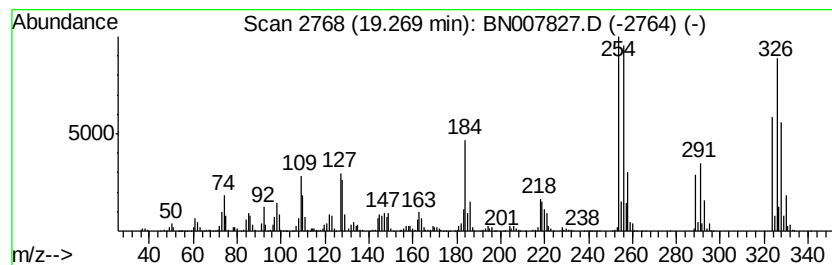
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	13.50 ng/ul	5795750	Chrysene-d12	21.26
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, 2,3',4,4',5-penta...	324 C12H5Cl5	031508-00-6	99
3	2,3,3',4',5'- Pentachloro-1,1'-b...	324 C12H5Cl5	076842-07-4	99
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324 C12H5Cl5	057465-28-8	99
5	2,3',4',5',6-Pentachloro-1,1'-bi...	324 C12H5Cl5	074472-39-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
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ALS Vial : 29 Sample Multiplier: 1

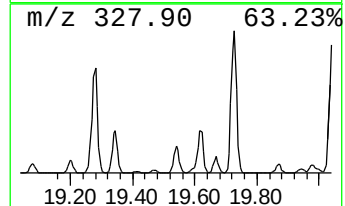
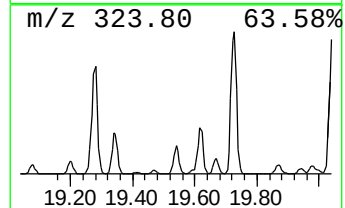
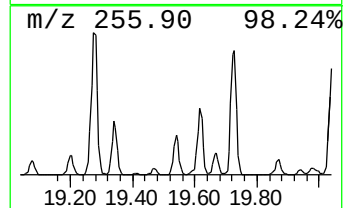
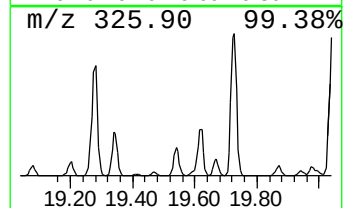
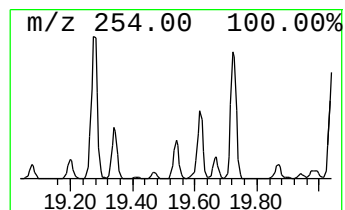
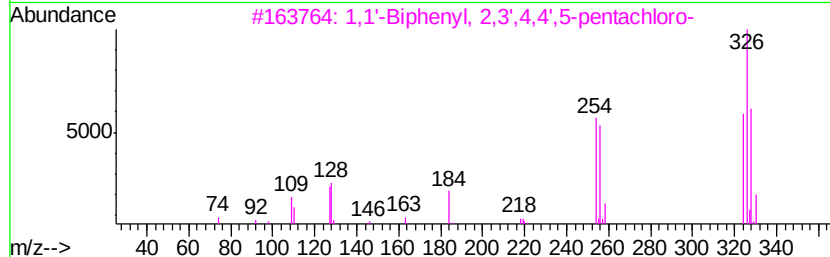
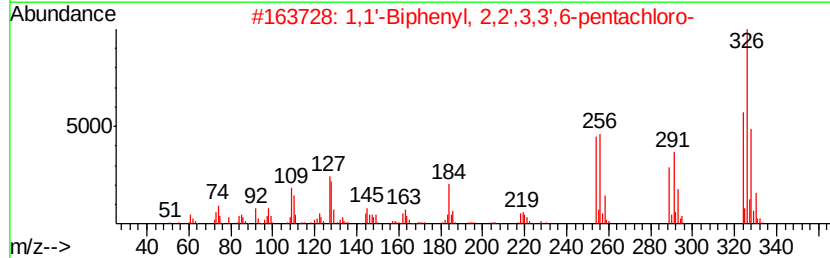
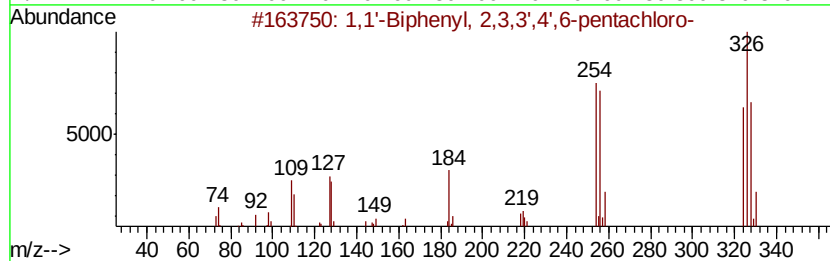
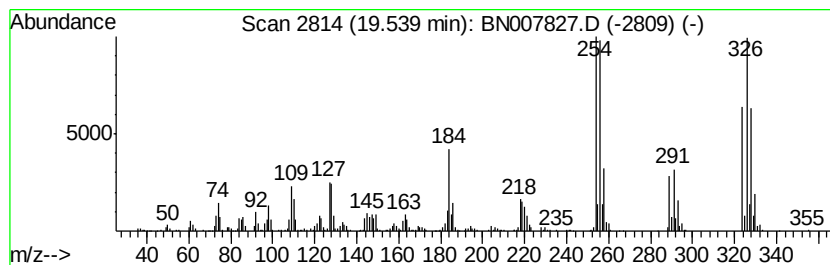
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.54	3.36 ng/ul	1442700	Chrysene-d12	21.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'	-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	1,1'	-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'	-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
5	2,2',3,4,4'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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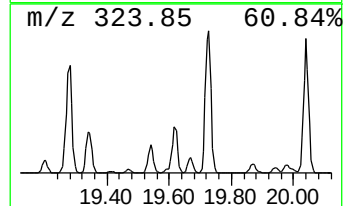
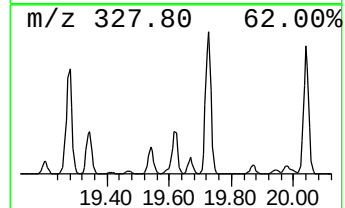
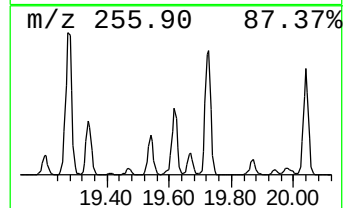
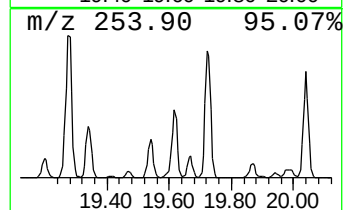
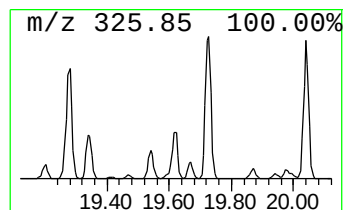
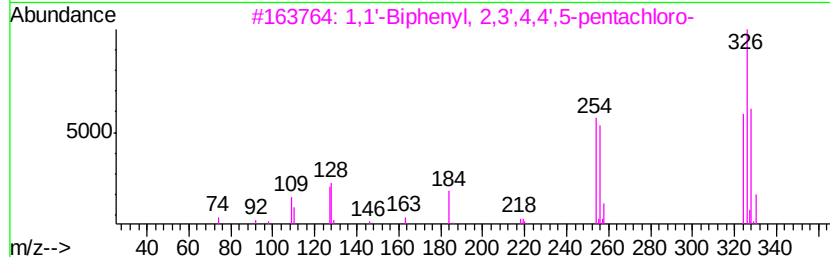
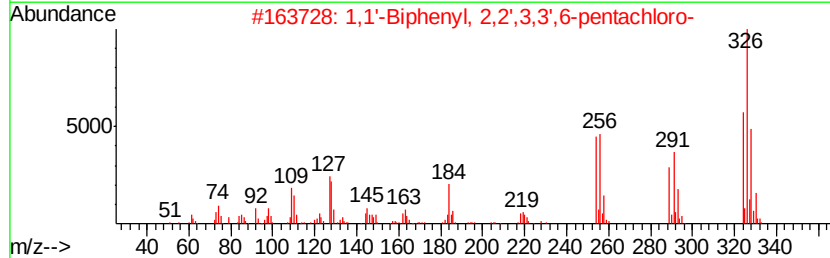
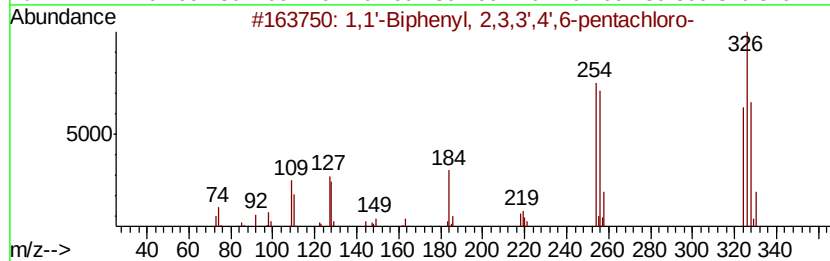
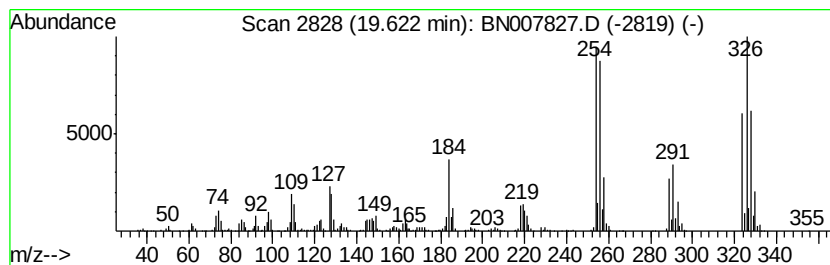
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	5.82 ng/ul	2498870	Chrysene-d12	21.26

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',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4		2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
5		2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT3

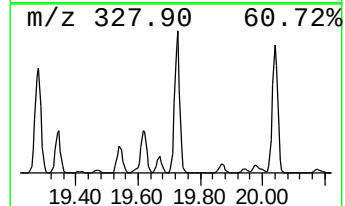
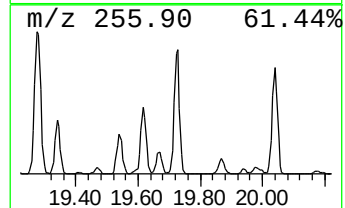
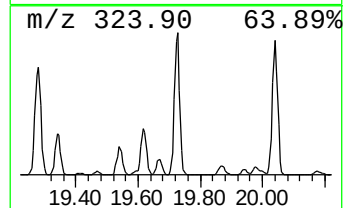
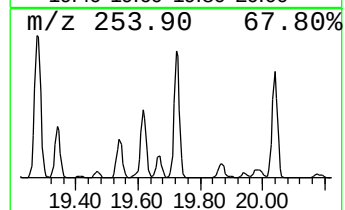
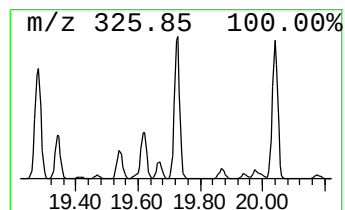
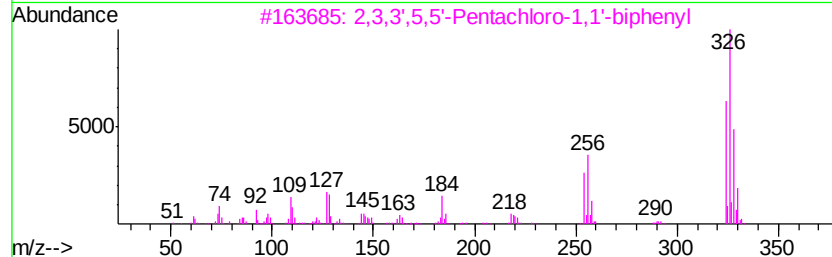
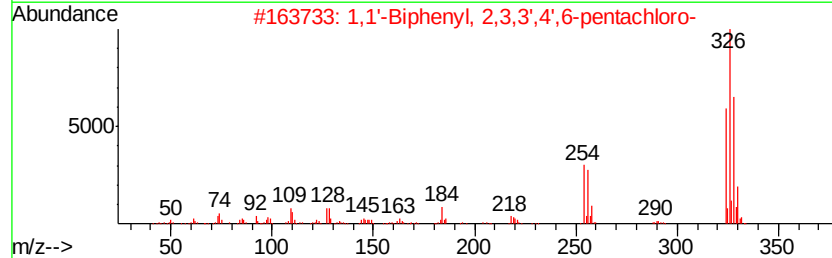
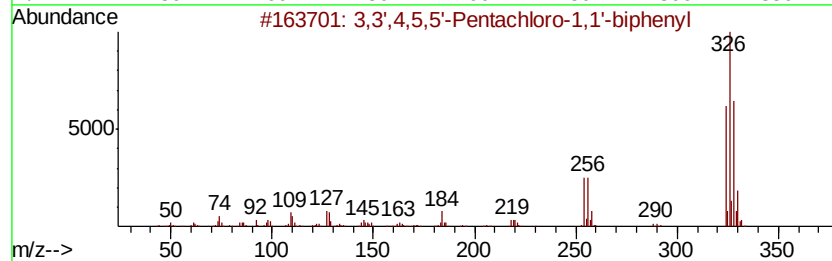
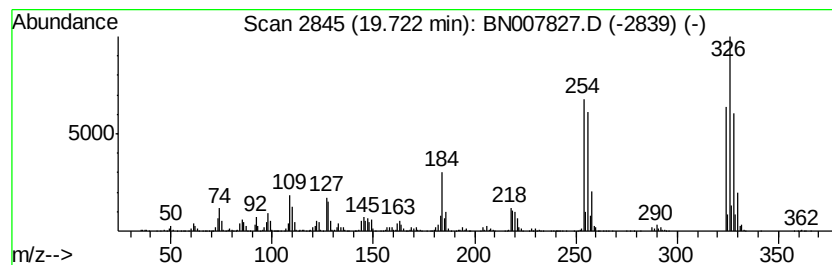
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 3,3',4,5,5'-Pentachloro-1,1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	12.63 ng/ul	5420420	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99
4		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

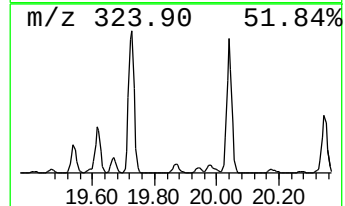
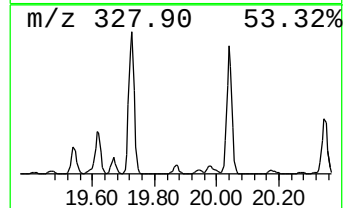
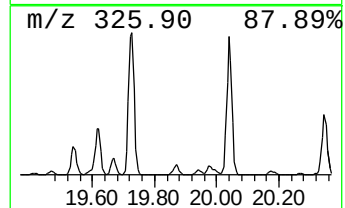
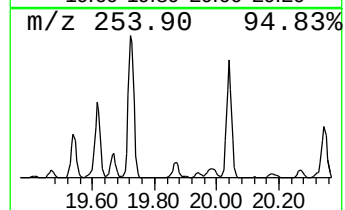
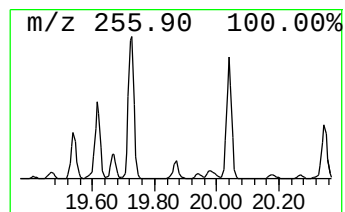
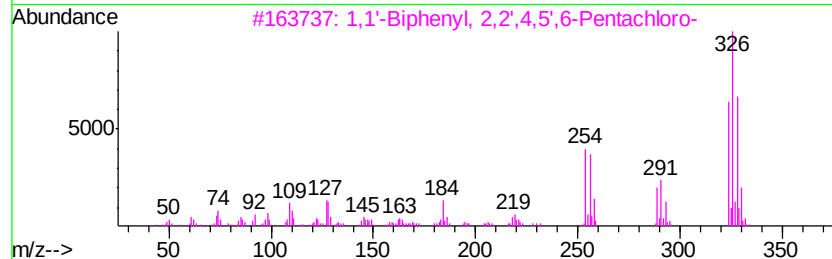
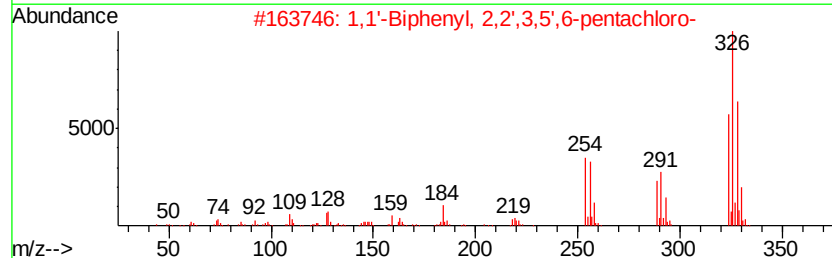
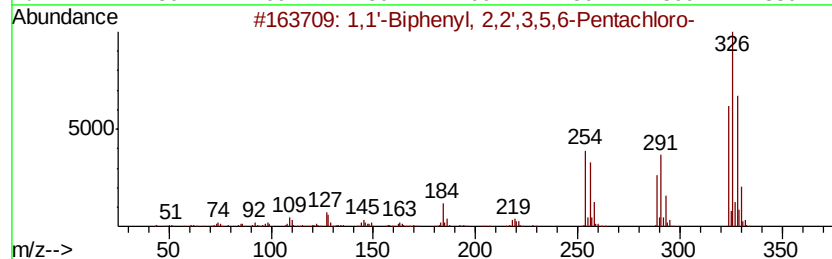
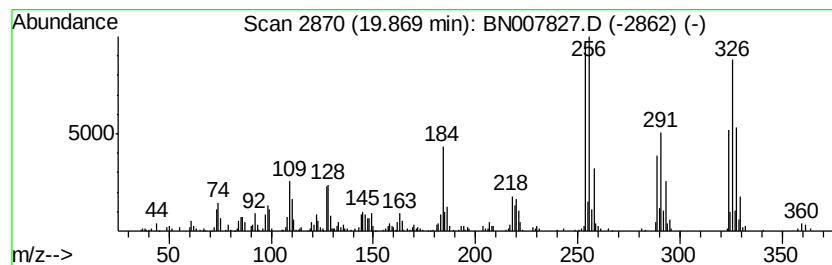
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',3,5,6-P... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.20 ng/ul	946248	Chrysene-d12	21.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	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	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324 C12H5Cl5	060145-21-3	99
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324 C12H5Cl5	060233-25-2	99
5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324 C12H5Cl5	052663-60-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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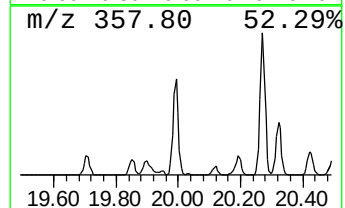
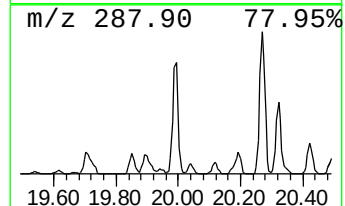
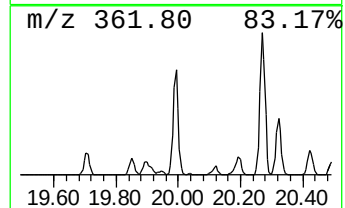
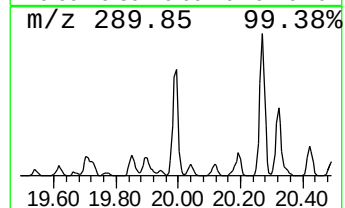
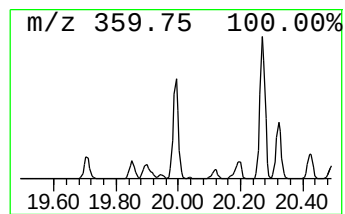
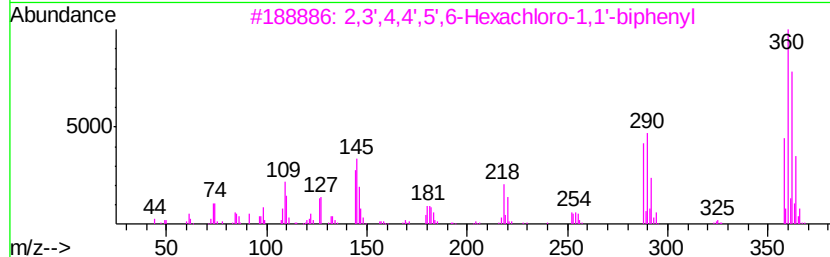
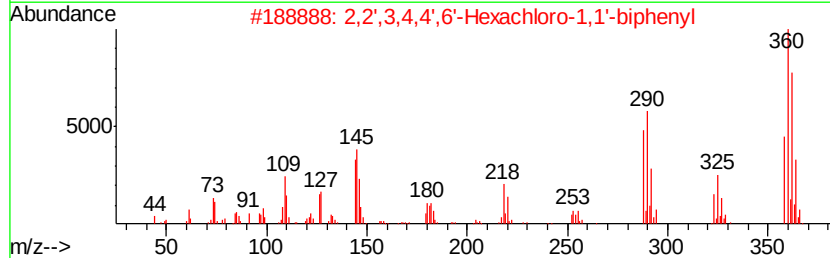
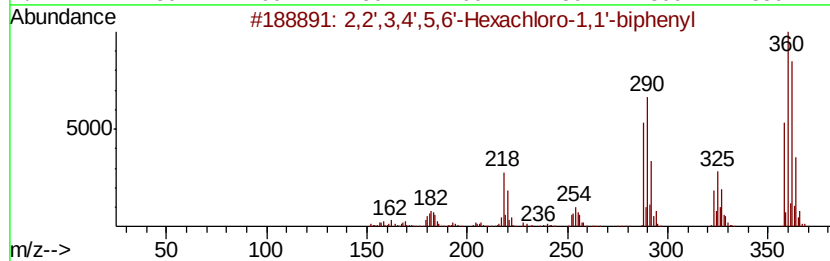
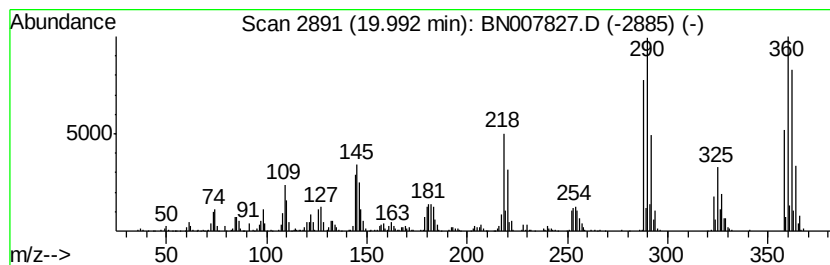
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 2,2',3,4',5,6'-Hexachloro-1... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	5.49 ng/ul	2356470	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
2		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
3		2,3',4,4',5',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
4		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
5		2,2',3,4',5,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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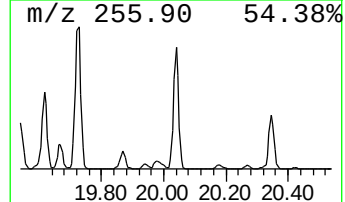
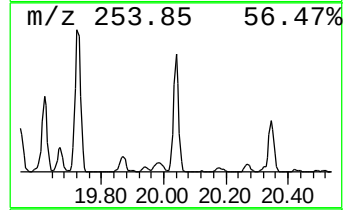
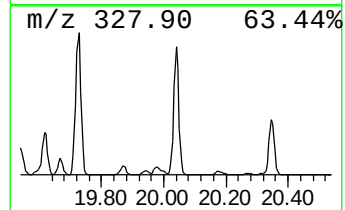
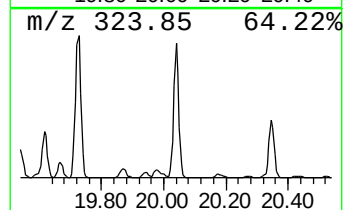
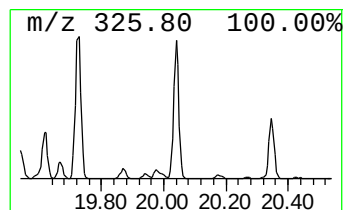
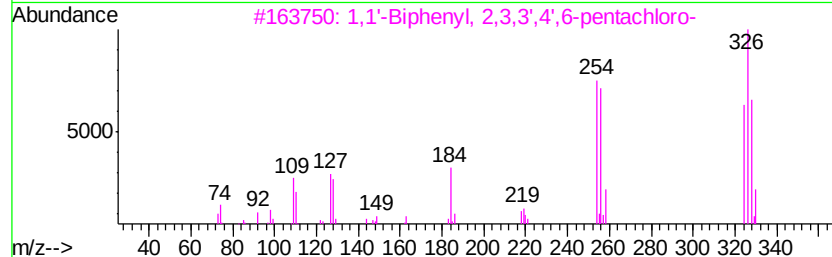
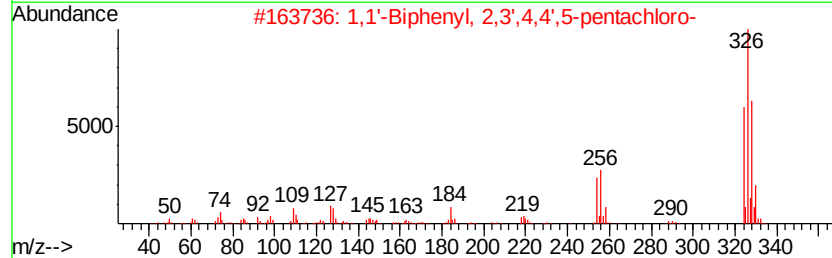
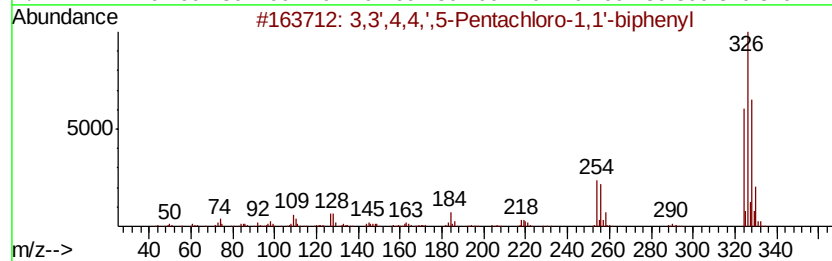
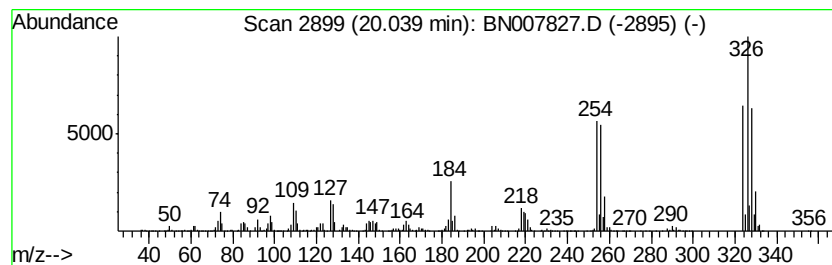
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	10.35 ng/ul	4440620	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
2		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5		3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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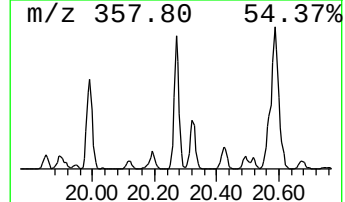
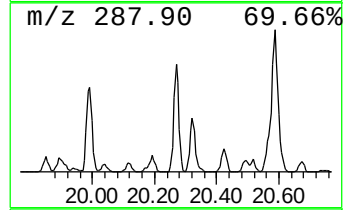
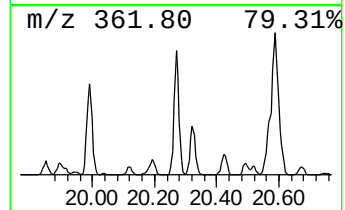
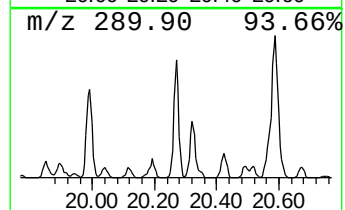
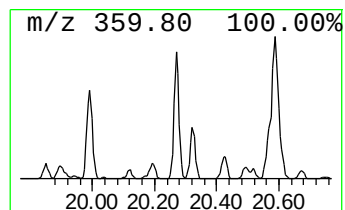
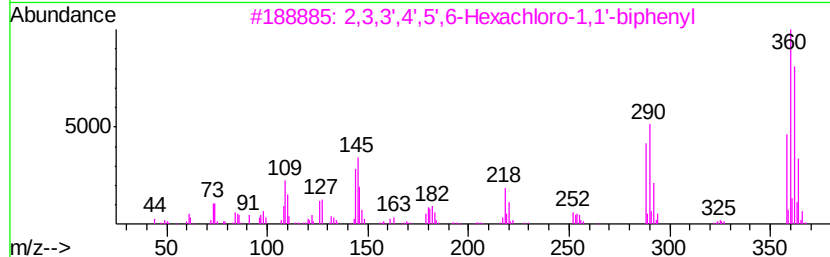
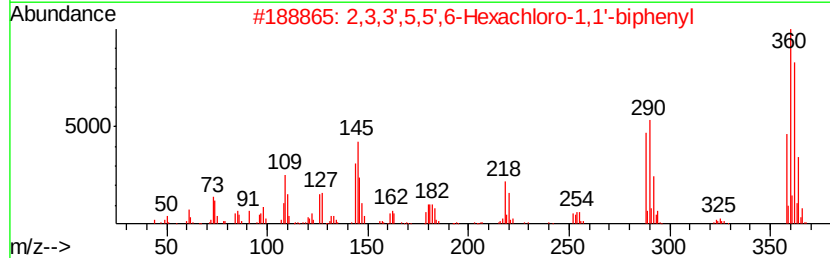
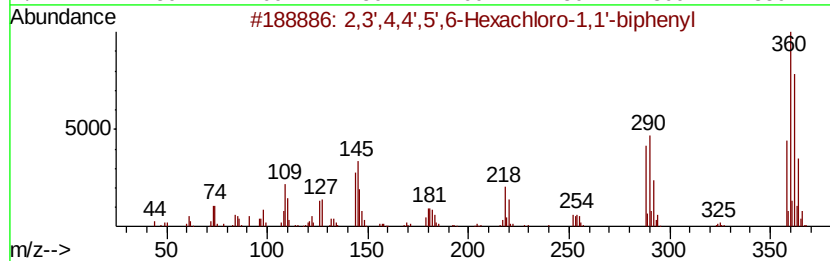
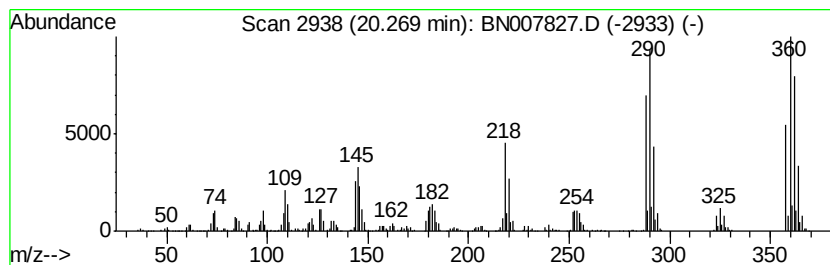
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	5.58 ng/ul	2395380	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99		
2	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99		
3	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99		
4	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	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\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId :
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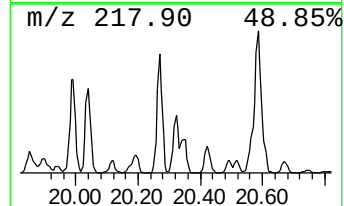
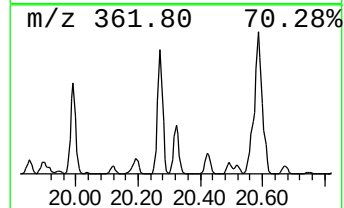
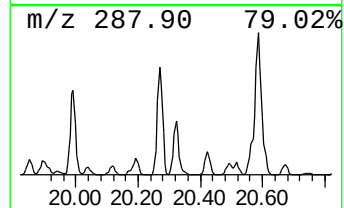
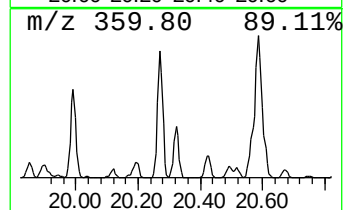
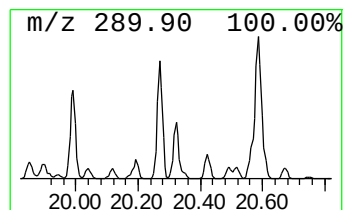
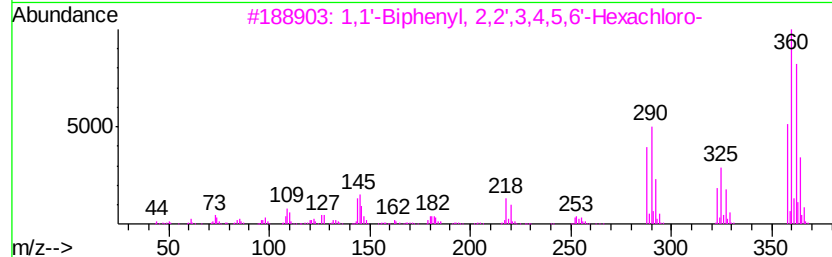
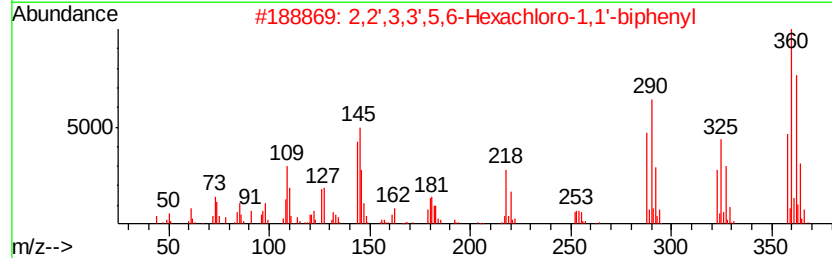
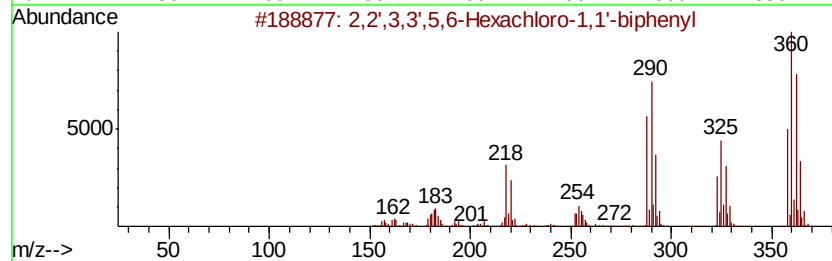
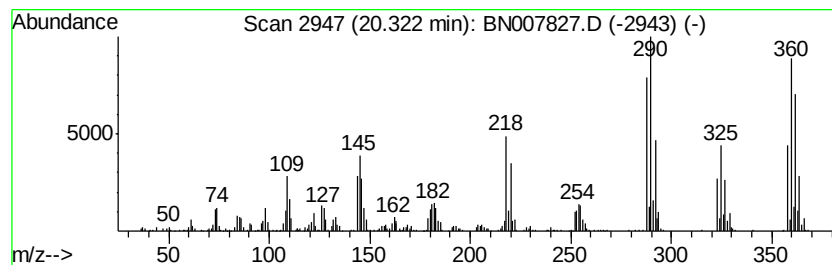
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	3.32 ng/ul	1425590	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
2		2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
3		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT3

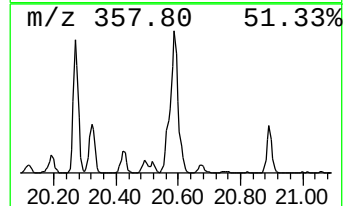
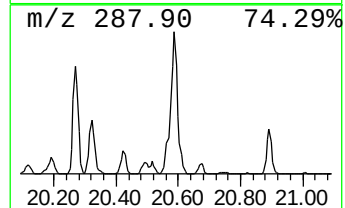
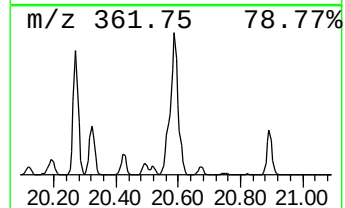
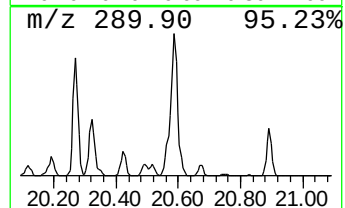
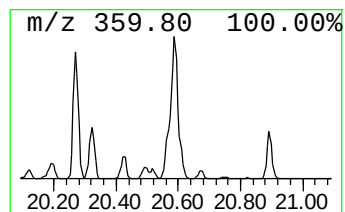
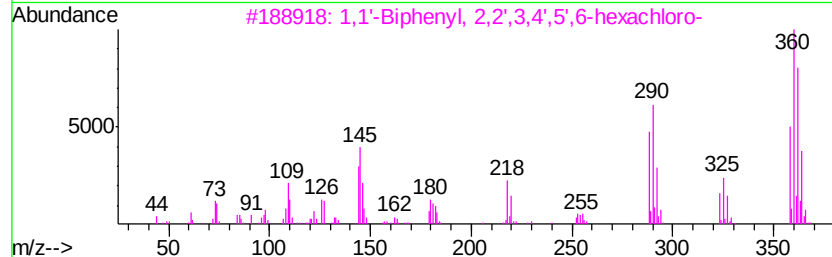
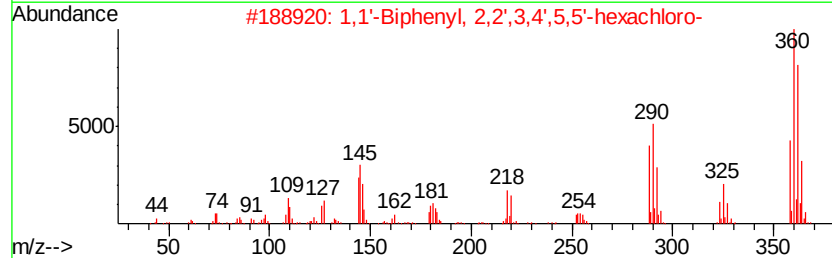
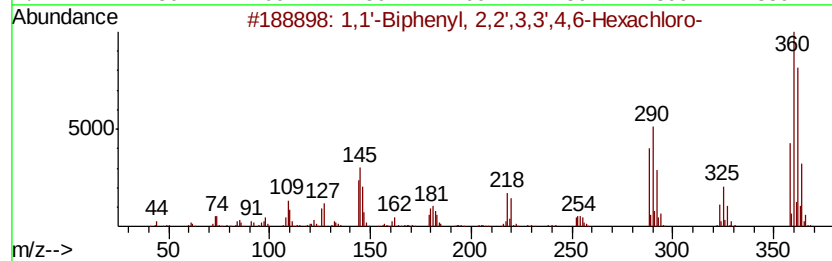
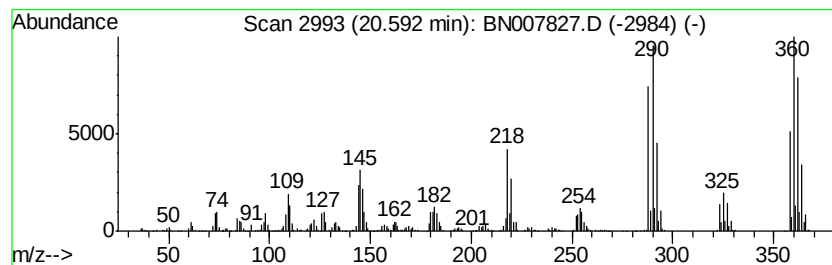
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	10.02 ng/ul	4299300	Chrysene-d12	21.26

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',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007827.D
Acq On : 24 Sep 2019 07:04
Operator : HP/JU
Sample : K4977-03
Misc : GCMS CONFIRMATION
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT3

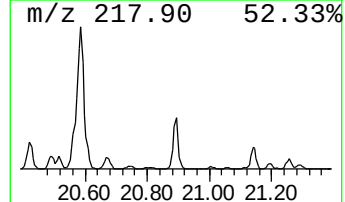
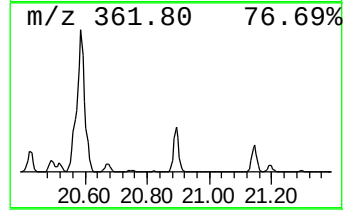
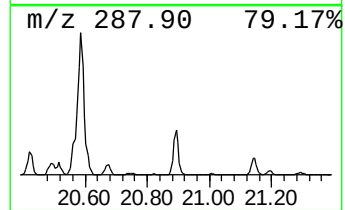
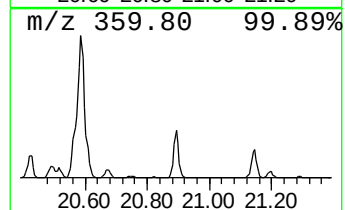
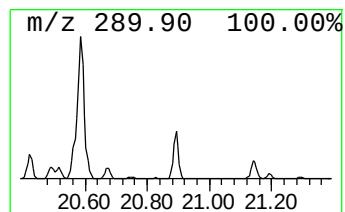
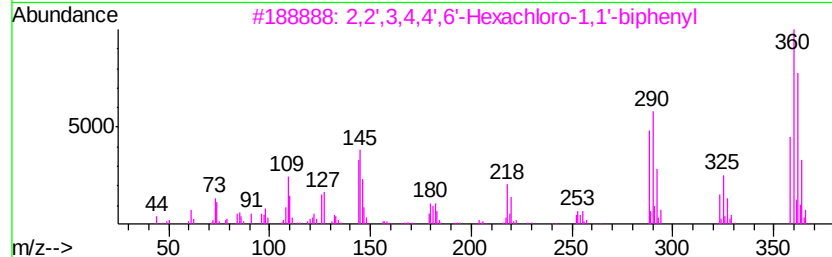
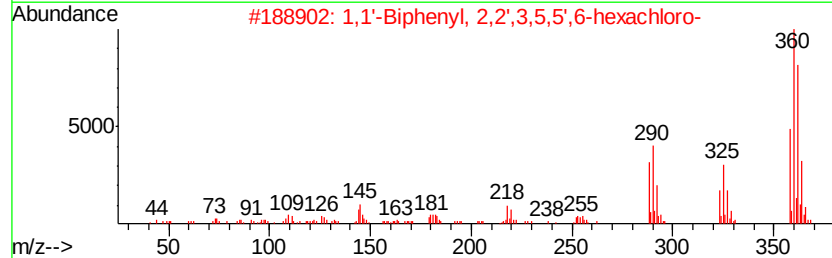
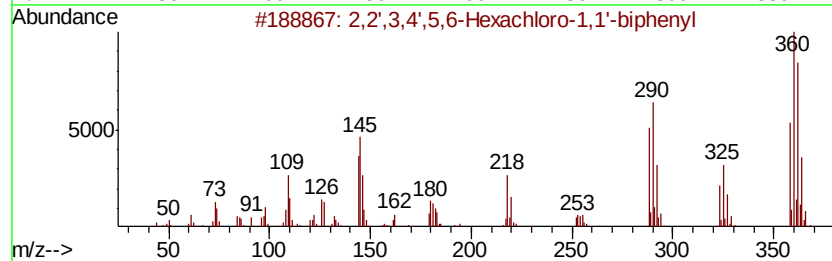
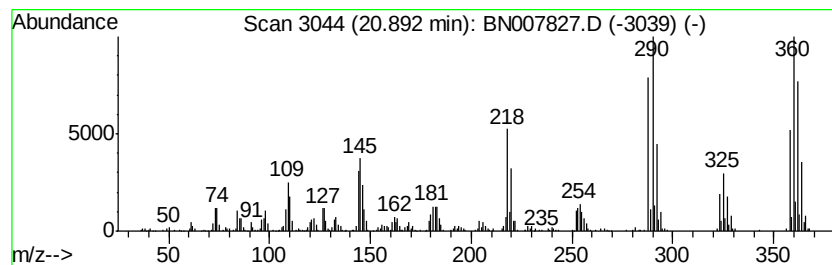
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 2,2',3,4',5,6-Hexachloro-1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.45 ng/ul	1051200	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
2		1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99
3		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
4		2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
5		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN092319\
 Data File : BN007827.D
 Acq On : 24 Sep 2019 07:04
 Operator : HP/JU
 Sample : K4977-03
 Misc : GCMS CONFIRMATION
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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: Cyc...	3.02	2.4	ng/ul	458877	1	7.69	3788220	20.0
(DEL) Alkane: Str...	3.18	7.1	ng/ul	1343780	1	7.69	3788220	20.0
1,1'-Biphenyl, 2,...	18.14	6.2	ng/ul	2494410	4	17.06	8073310	20.0
1,1'-Biphenyl, 2,...	18.42	2.7	ng/ul	1082670	4	17.06	8073310	20.0
1,1'-Biphenyl, 2,...	18.96	2.8	ng/ul	1137070	4	17.06	8073310	20.0
1,1'-Biphenyl, 2,...	18.99	9.3	ng/ul	3744670	4	17.06	8073310	20.0
1,1'-Biphenyl, 2,...	19.20	2.5	ng/ul	1088660	5	21.26	8584230	20.0
1,1'-Biphenyl, 2,...	19.27	13.5	ng/ul	5795750	5	21.26	8584230	20.0
1,1'-Biphenyl, 2,...	19.54	3.4	ng/ul	1442700	5	21.26	8584230	20.0
1,1'-Biphenyl, 2,...	19.62	5.8	ng/ul	2498870	5	21.26	8584230	20.0
3,3',4,5,5'-Penta...	19.72	12.6	ng/ul	5420420	5	21.26	8584230	20.0
1,1'-Biphenyl, 2,...	19.87	2.2	ng/ul	946248	5	21.26	8584230	20.0
2,2',3,4',5,6'-He...	19.99	5.5	ng/ul	2356470	5	21.26	8584230	20.0
3,3',4,4',5-Pent...	20.04	10.4	ng/ul	4440620	5	21.26	8584230	20.0
2,3',4,4',5',6-He...	20.27	5.6	ng/ul	2395380	5	21.26	8584230	20.0
2,2',3,3',5,6-Hex...	20.32	3.3	ng/ul	1425590	5	21.26	8584230	20.0
1,1'-Biphenyl, 2,...	20.59	10.0	ng/ul	4299300	5	21.26	8584230	20.0
2,2',3,4',5,6-Hex...	20.89	2.5	ng/ul	1051200	5	21.26	8584230	20.0