

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
 Data File : BN007826.D
 Acq On : 24 Sep 2019 06:28
 Operator : HP/JU
 Sample : K4977-02
 Misc : GCMS CONFIRMATION
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

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	13	rVB	446069	472495	5.51%	0.446%
2	3.093	15	18	21	rVV	113291	123805	1.44%	0.117%
3	3.123	21	23	25	rVV	51101	53841	0.63%	0.051%
4	3.146	25	27	29	rVV	76595	68504	0.80%	0.065%
5	3.181	29	33	38	rVB	1440517	1411178	16.47%	1.331%
6	3.481	81	84	85	rBV2	28388	28931	0.34%	0.027%
7	3.505	85	88	94	rVB	138346	165378	1.93%	0.156%
8	3.875	148	151	156	rVB3	22062	27919	0.33%	0.026%
9	3.964	161	166	171	rBV2	38168	56308	0.66%	0.053%
10	4.140	192	196	200	rBV5	14494	21791	0.25%	0.021%
11	4.399	235	240	244	rVB	18355	31670	0.37%	0.030%
12	4.499	253	257	263	rVB7	12994	23416	0.27%	0.022%
13	4.599	269	274	278	rBV2	33887	44053	0.51%	0.042%
14	4.787	301	306	311	rVB2	14860	22393	0.26%	0.021%
15	4.852	311	317	322	rBV7	9282	17114	0.20%	0.016%
16	5.011	339	344	348	rBV7	7022	13728	0.16%	0.013%
17	5.105	354	360	368	rBV10	6777	17481	0.20%	0.016%
18	5.193	369	375	379	rBV5	20510	35735	0.42%	0.034%
19	6.693	623	630	633	rBV6	10921	22450	0.26%	0.021%
20	7.240	718	723	729	rVV4	8471	17509	0.20%	0.017%
21	7.687	792	799	807	rBV	2647099	4046341	47.21%	3.816%
22	7.828	818	823	828	rBV5	11859	22112	0.26%	0.021%
23	7.940	837	842	844	rBV5	7488	12512	0.15%	0.012%
24	10.252	1228	1235	1243	rVB7	24537	52968	0.62%	0.050%
25	10.457	1259	1270	1281	rBV	3326137	5532948	64.56%	5.218%
26	10.552	1283	1286	1289	rVV4	12568	18645	0.22%	0.018%
27	10.605	1289	1295	1302	rVB9	27489	60847	0.71%	0.057%
28	10.734	1307	1317	1324	rBV7	32402	65486	0.76%	0.062%
29	10.822	1328	1332	1336	rVB6	12595	20964	0.24%	0.020%
30	10.881	1336	1342	1346	rBV3	22714	39197	0.46%	0.037%
31	10.940	1347	1352	1358	rVB5	36183	63160	0.74%	0.060%
32	11.005	1358	1363	1367	rBV5	8611	12713	0.15%	0.012%
33	11.105	1373	1380	1384	rBV7	7697	17535	0.20%	0.017%
34	11.157	1384	1389	1395	rVB5	15462	29573	0.35%	0.028%

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35	11.234	1395	1402	1405	rBV8	10779	23000	0.27%	0.022%
36	12.346	1587	1591	1596	rBV6	7558	12515	0.15%	0.012%
37	12.722	1648	1655	1659	rBV8	7996	16341	0.19%	0.015%
38	12.769	1659	1663	1665	rVV3	13394	16548	0.19%	0.016%
39	12.816	1668	1671	1674	rVB4	11043	15087	0.18%	0.014%
40	12.875	1678	1681	1685	rVB6	7011	12348	0.14%	0.012%
41	13.228	1737	1741	1746	rBV5	7829	12918	0.15%	0.012%
42	13.399	1766	1770	1774	rBV6	12066	14889	0.17%	0.014%
43	13.740	1824	1828	1834	rVB8	10525	15180	0.18%	0.014%
44	13.946	1858	1863	1870	rVB8	7523	15780	0.18%	0.015%
45	14.316	1919	1926	1936	rBV	4977309	7306126	85.25%	6.891%
46	14.581	1963	1971	1978	rBV2	47838	71641	0.84%	0.068%
47	15.310	2090	2095	2101	rBV9	8110	15733	0.18%	0.015%
48	15.581	2138	2141	2144	rBV5	13063	16259	0.19%	0.015%
49	16.598	2310	2314	2318	rBV5	25828	35337	0.41%	0.033%
50	16.640	2318	2321	2329	rVV8	15812	34614	0.40%	0.033%
51	16.722	2331	2335	2342	rVB9	20751	39155	0.46%	0.037%
52	16.851	2354	2357	2361	rVB	20052	23405	0.27%	0.022%
53	16.951	2370	2374	2376	rBV5	22166	23825	0.28%	0.022%
54	16.987	2376	2380	2385	rBV7	18783	28930	0.34%	0.027%
55	17.057	2386	2392	2403	rBV2	5923602	8570474	100.00%	8.083%
56	17.245	2419	2424	2428	rBV2	103245	152939	1.78%	0.144%
57	17.445	2456	2458	2460	rBV2	15352	12872	0.15%	0.012%
58	17.669	2490	2496	2501	rVB	332237	548220	6.40%	0.517%
59	17.787	2512	2516	2520	rVB3	67627	102949	1.20%	0.097%
60	17.916	2534	2538	2543	rBV	122914	156974	1.83%	0.148%
61	17.969	2544	2547	2555	rBV7	74878	119099	1.39%	0.112%
62	18.139	2570	2576	2581	rBV	2295569	3022199	35.26%	2.850%
63	18.198	2581	2586	2590	rVV	578463	774940	9.04%	0.731%
64	18.239	2590	2593	2599	rVB2	164325	221486	2.58%	0.209%
65	18.422	2620	2624	2629	rBV	993198	1303656	15.21%	1.230%
66	18.469	2630	2632	2636	rVB2	123354	145896	1.70%	0.138%
67	18.569	2645	2649	2651	rBV2	112074	157720	1.84%	0.149%
68	18.598	2651	2654	2659	rVB	383976	496546	5.79%	0.468%
69	18.910	2703	2707	2711	rBV	465741	619203	7.22%	0.584%
70	18.963	2711	2716	2718	rVV	1279990	1811925	21.14%	1.709%
71	18.992	2718	2721	2729	rVV2	3162712	4284585	49.99%	4.041%

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72	19.075	2731	2735	2741	rVV	441116	556496	6.49%	0.525%
73	19.204	2752	2757	2764	rBV2	727940	1327402	15.49%	1.252%
74	19.275	2764	2769	2776	rVV	4606671	6410008	74.79%	6.046%
75	19.339	2776	2780	2785	rVV	1673561	2031945	23.71%	1.916%
76	19.469	2798	2802	2806	rBV3	234081	287249	3.35%	0.271%
77	19.539	2809	2814	2819	rBV	1339107	1654416	19.30%	1.560%
78	19.616	2820	2827	2832	rVB	2178976	2706852	31.58%	2.553%
79	19.669	2832	2836	2839	rBV	703926	852666	9.95%	0.804%
80	19.722	2839	2845	2851	rVB	4597300	5963120	69.58%	5.624%
81	19.869	2863	2870	2872	rBV3	507029	996385	11.63%	0.940%
82	19.892	2872	2874	2879	rVV2	303765	476604	5.56%	0.450%
83	19.939	2879	2882	2885	rVV3	233037	268404	3.13%	0.253%
84	19.992	2885	2891	2895	rVV3	1897172	2588781	30.21%	2.442%
85	20.039	2895	2899	2904	rVB	4232856	4852568	56.62%	4.577%
86	20.116	2909	2912	2918	rVB3	224445	263433	3.07%	0.248%
87	20.192	2919	2925	2929	rVV3	376300	583364	6.81%	0.550%
88	20.269	2934	2938	2942	rVB	2310282	2623034	30.61%	2.474%
89	20.322	2943	2947	2949	rBV	1197961	1631208	19.03%	1.538%
90	20.345	2949	2951	2956	rVB	1829337	1870133	21.82%	1.764%
91	20.422	2961	2964	2970	rVB2	485335	617846	7.21%	0.583%
92	20.492	2973	2976	2978	rBV2	203590	236994	2.77%	0.224%
93	20.516	2978	2980	2984	rVV4	219444	233571	2.73%	0.220%
94	20.586	2984	2992	2999	rVV	2812557	4710827	54.97%	4.443%
95	20.669	3004	3006	3010	rVB2	176326	185710	2.17%	0.175%
96	20.892	3040	3044	3049	rVB	1005601	1228685	14.34%	1.159%
97	21.139	3083	3086	3091	rBV	439458	498659	5.82%	0.470%
98	21.257	3101	3106	3110	rBV	6702955	8569675	99.99%	8.082%
99	21.292	3110	3112	3117	rVB3	386924	432897	5.05%	0.408%
100	23.469	3475	3482	3496	rVB	4620379	8447671	98.57%	7.967%

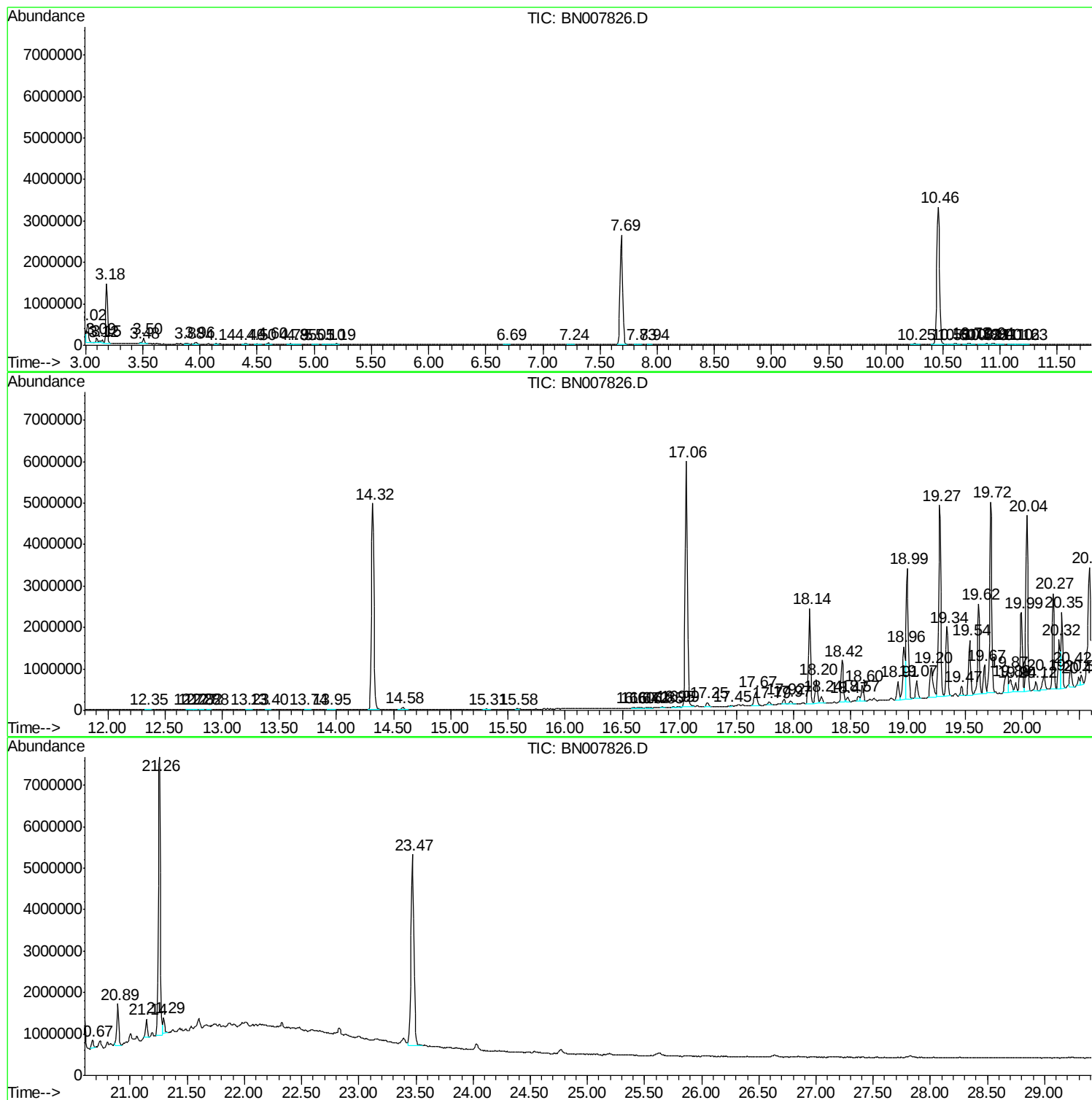
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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



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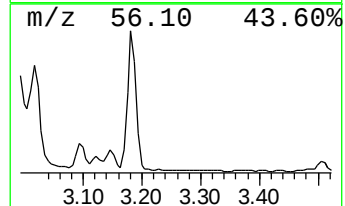
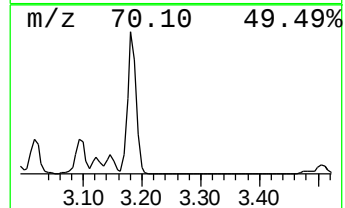
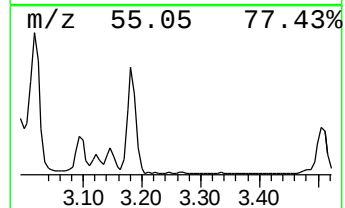
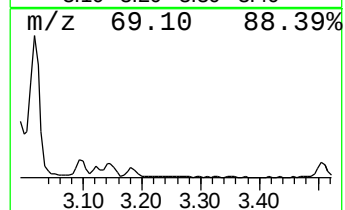
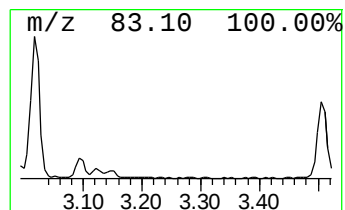
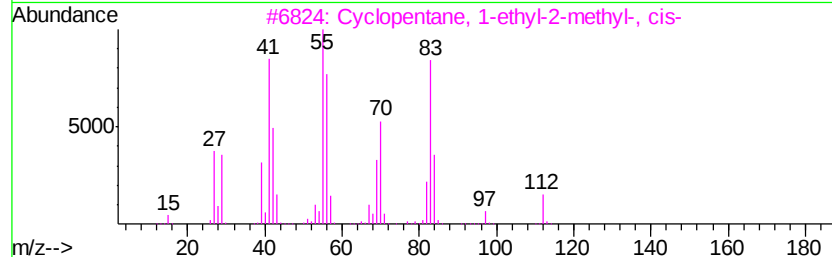
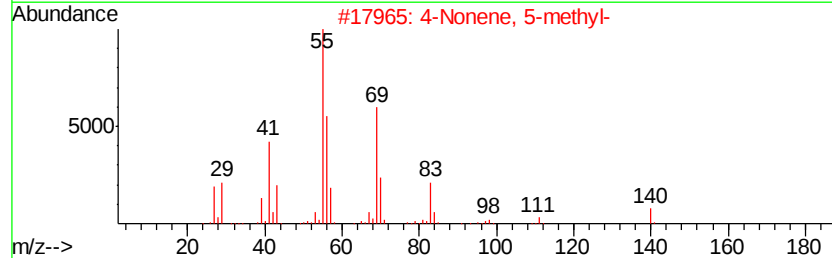
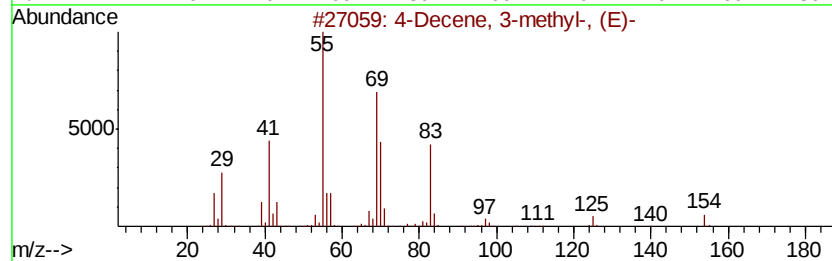
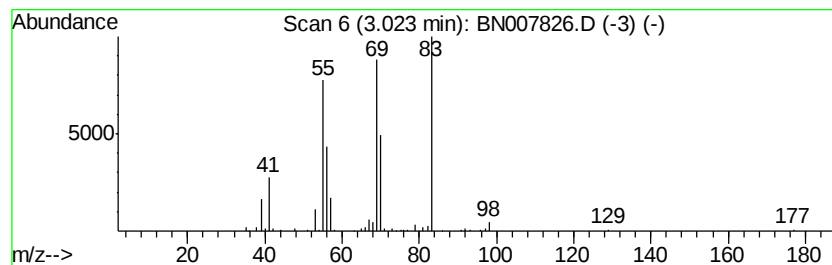
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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	2.34 ng/ul	472495	1,4-Dichlorobenzene-d4	7.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 3-methyl-, (E)-			154	C11H22	062338-47-0	53
2	4-Nonene, 5-methyl-			140	C10H20	015918-07-7	42
3	Cyclopentane, 1-ethyl-2-methyl-, ...			112	C8H16	000930-89-2	40
4	1-Hexene, 3-methyl-			98	C7H14	003404-61-3	38
5	3-Hexene, 3-methyl-, (E)-			98	C7H14	003899-36-3	38



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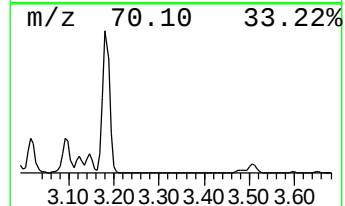
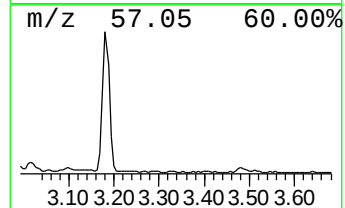
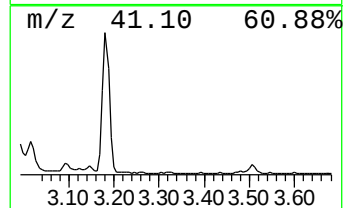
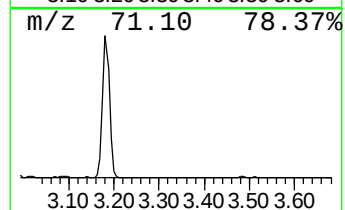
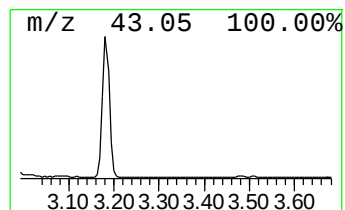
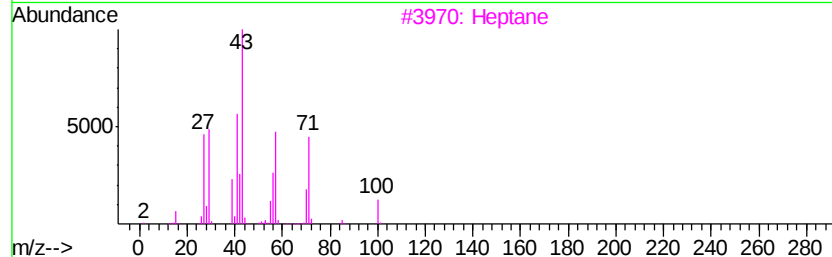
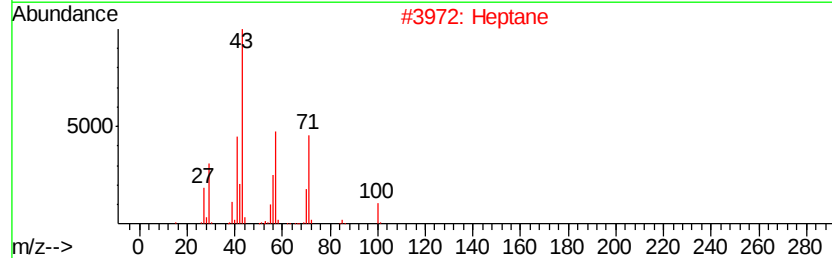
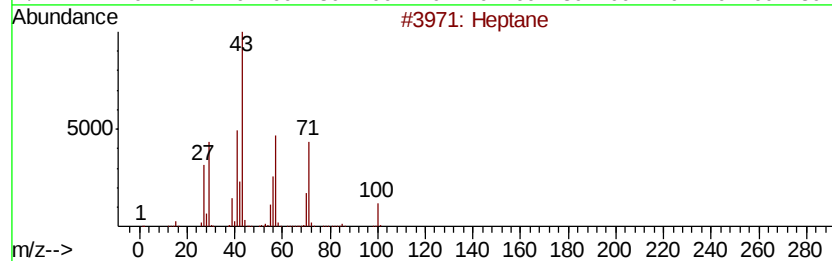
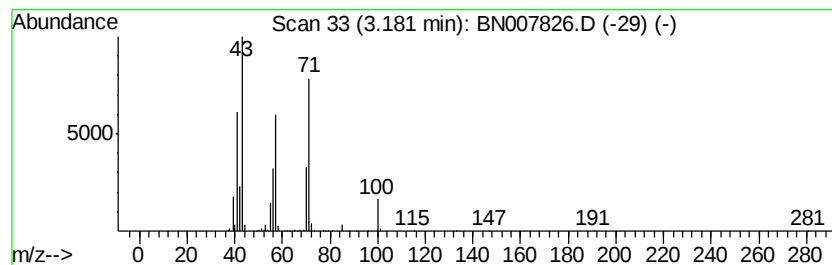
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	6.98 ng/ul	1411180	1,4-Dichlorobenzene-d4	7.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	64
5	Oxirane, butyl-			100	C6H12O	001436-34-6	47



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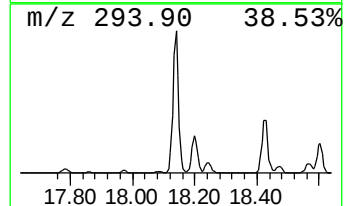
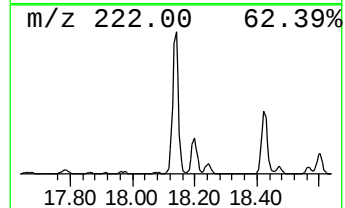
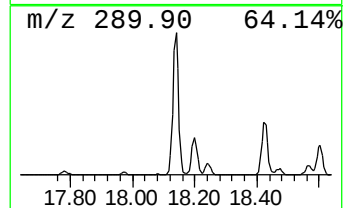
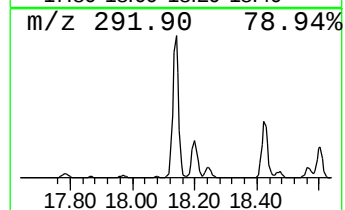
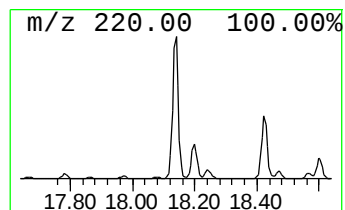
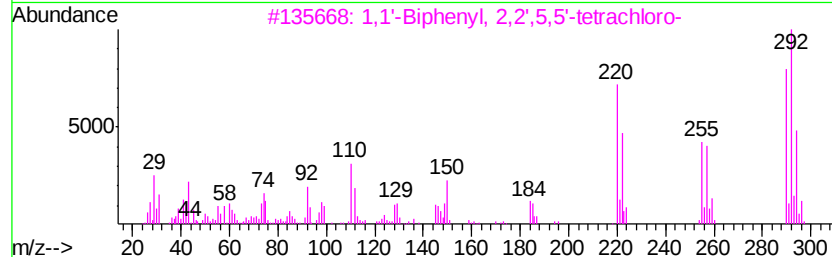
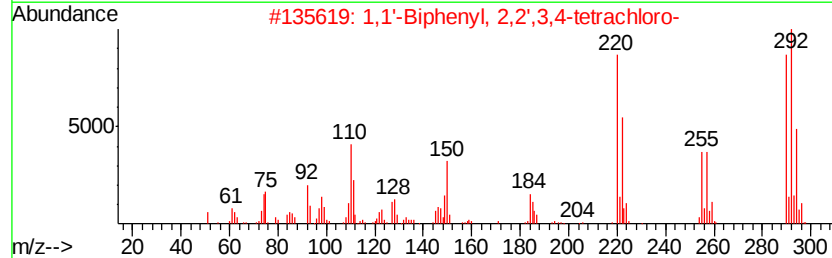
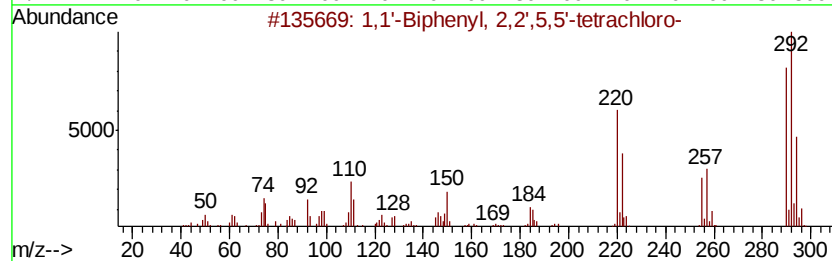
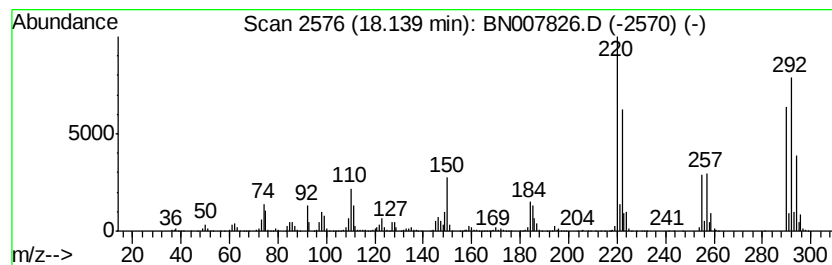
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	7.05 ng/ul	3022200	Phenanthrene-d10	17.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2		1,1'-Biphenyl, 2,2',3,4'-tetrachl...	290	C12H6Cl4	052663-59-9	99
3		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5		1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99



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Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

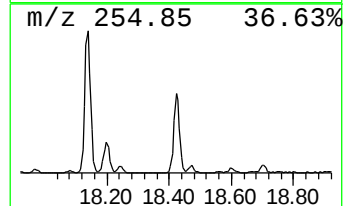
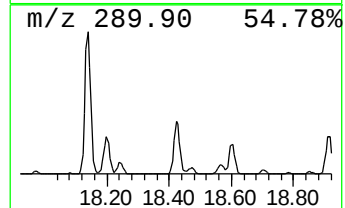
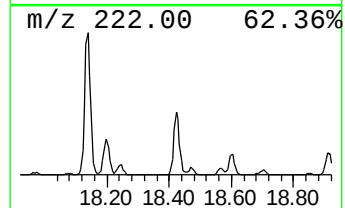
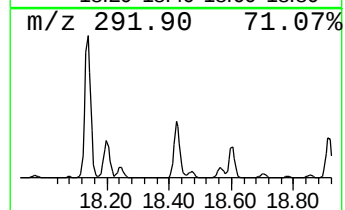
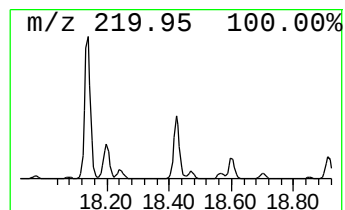
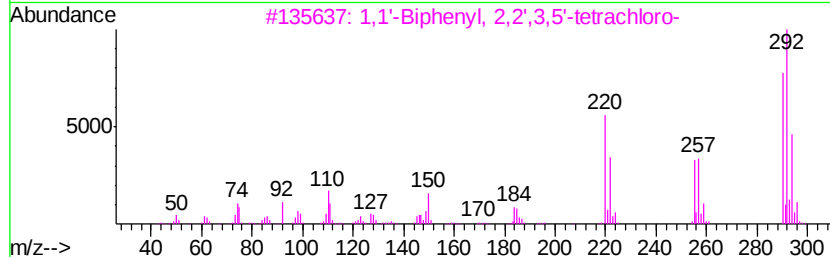
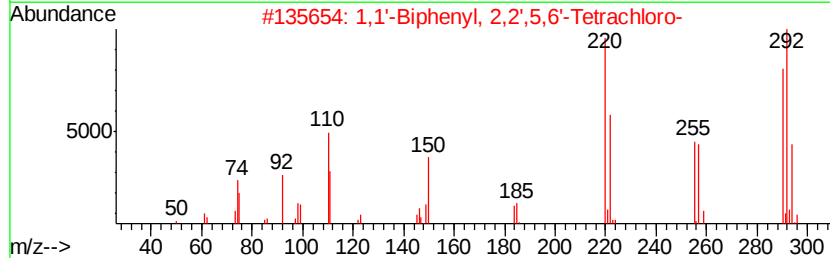
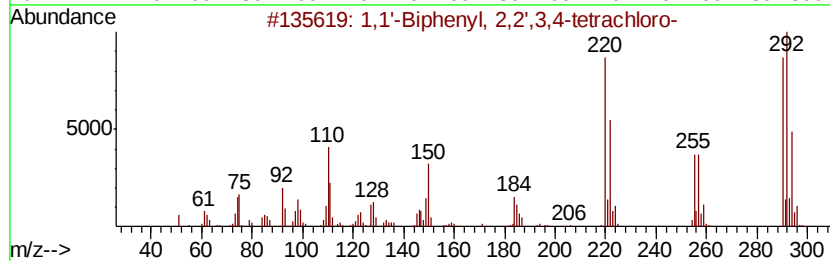
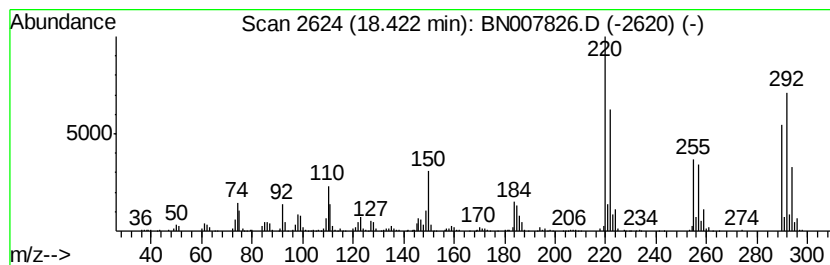
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.42	3.04 ng/ul	1303660	Phenanthrene-d10	17.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99	
2	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99	
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99	
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99	



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Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

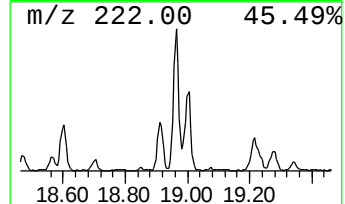
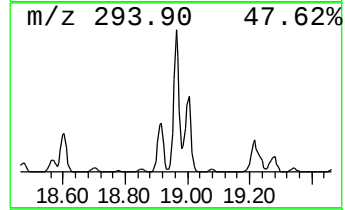
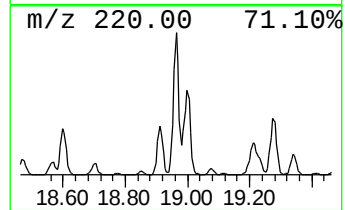
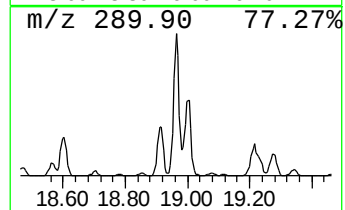
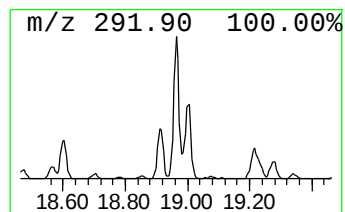
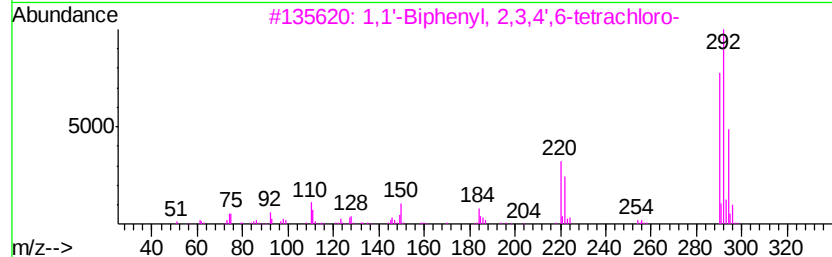
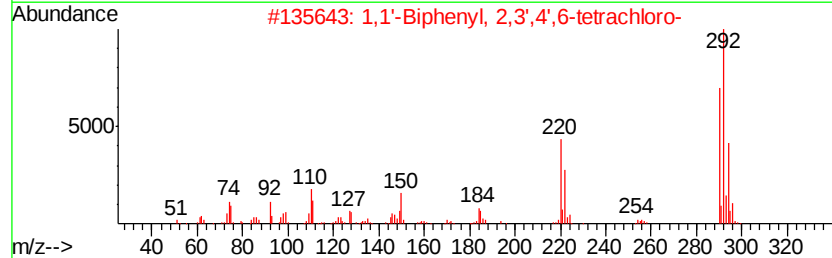
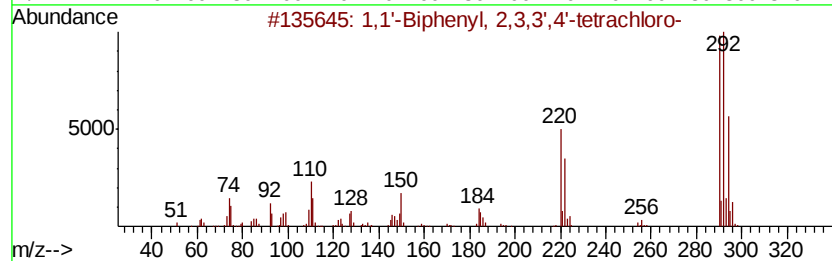
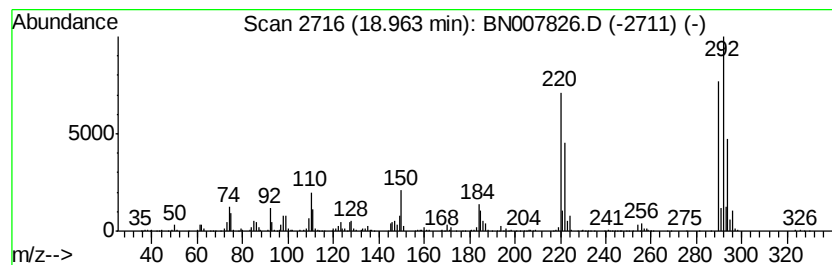
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.96	4.23 ng/ul	1811930	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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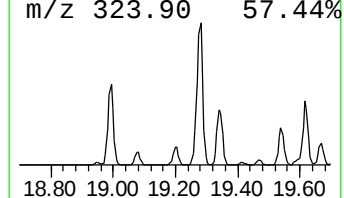
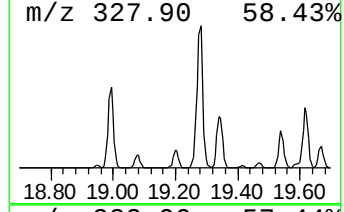
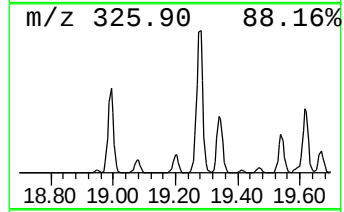
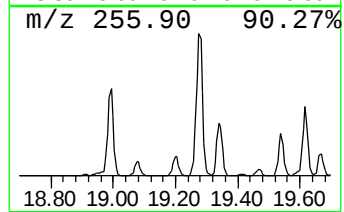
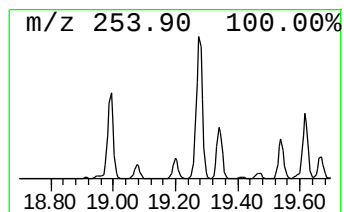
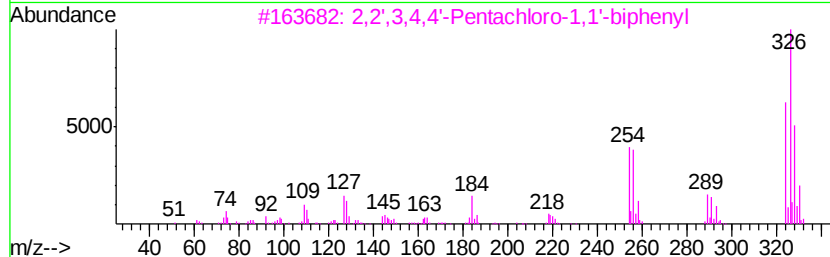
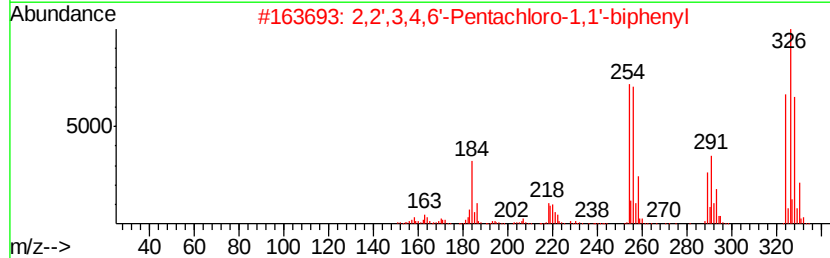
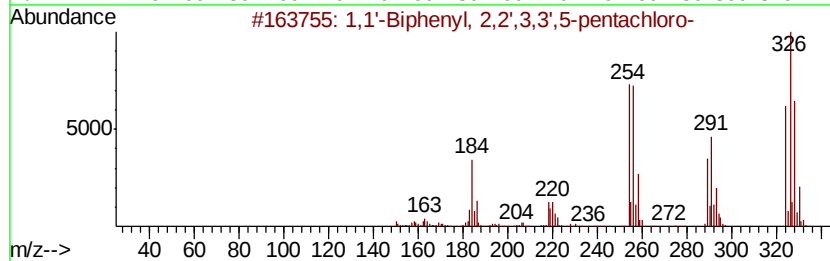
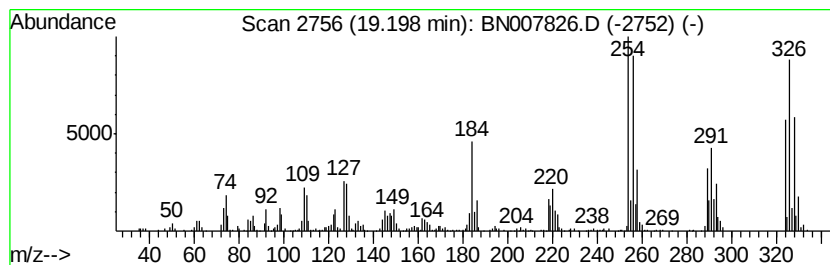
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	3.10 ng/ul	1327400	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',3,4,4'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99	
4	1,1'-Biphenyl, 2,2',3,5,6-	Pentac...	324	C12H5Cl5	073575-56-1	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 : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

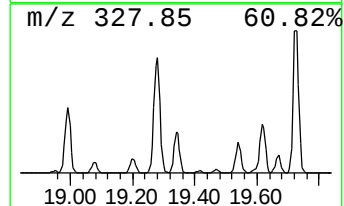
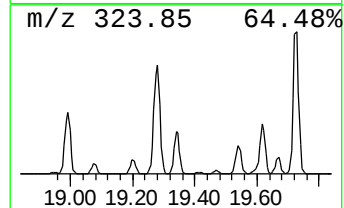
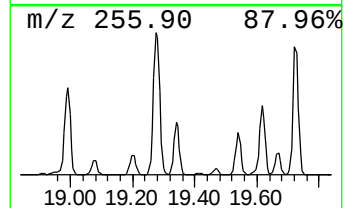
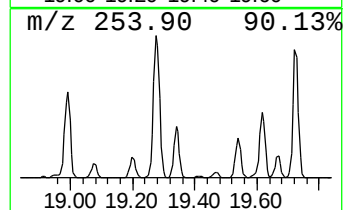
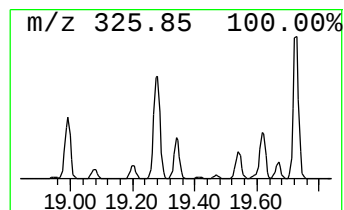
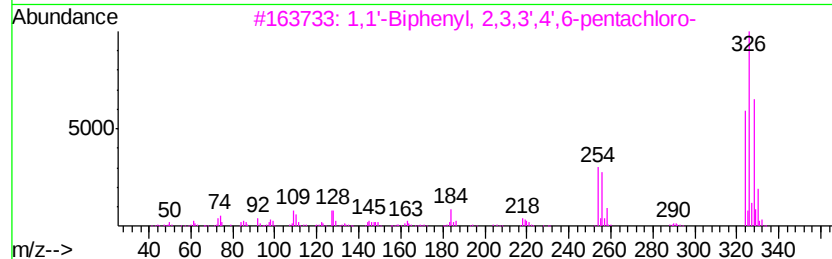
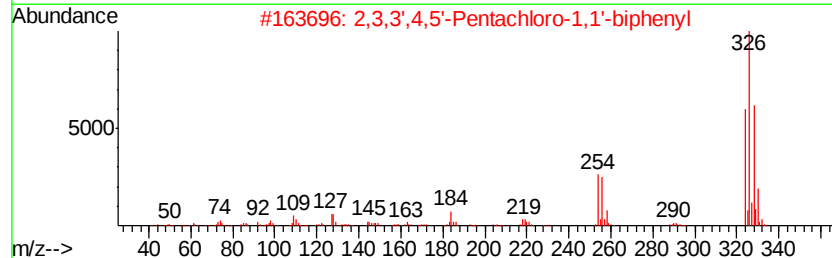
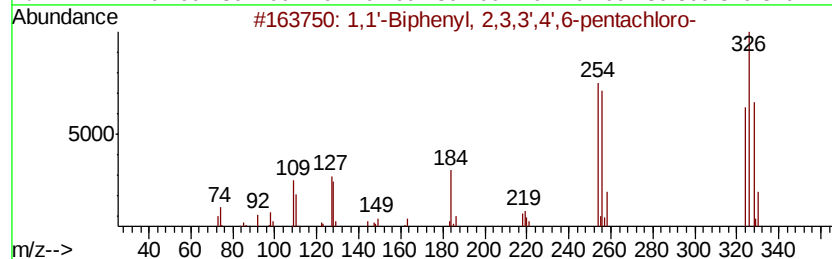
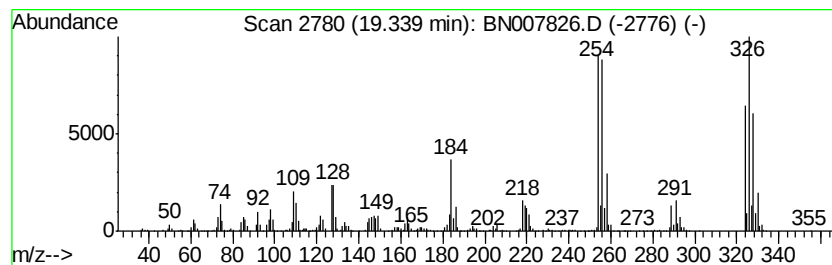
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.34	4.74 ng/ul	2031950	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	2,3,3',4,5'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
3	1,1'	-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	2,3,3',4',5'	- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
5	2,2',3,6,6'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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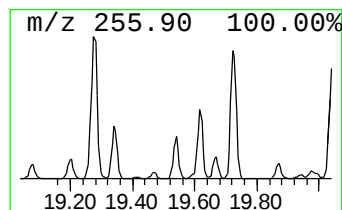
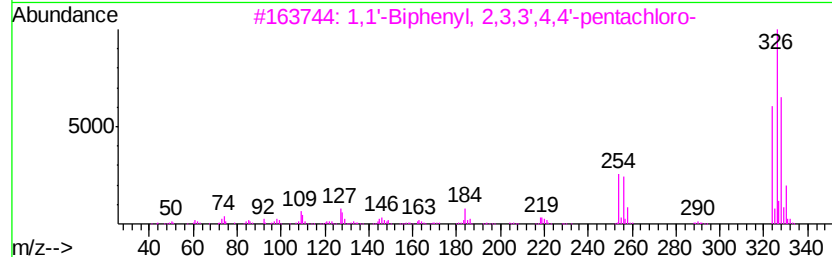
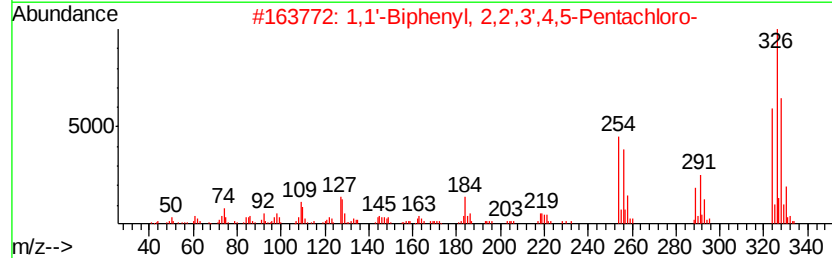
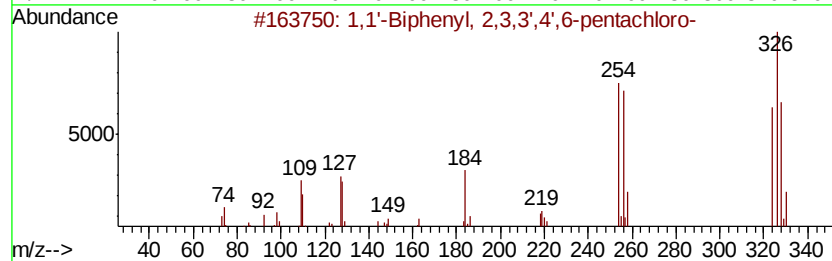
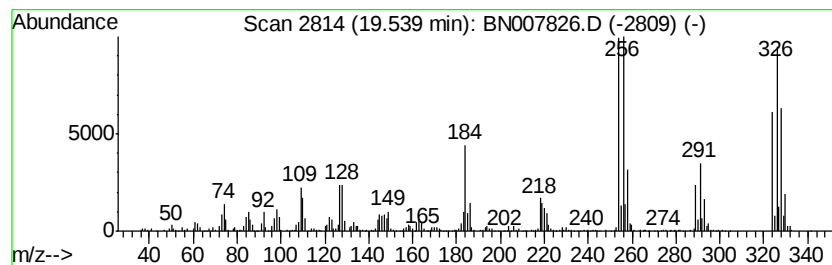
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	3.86 ng/ul	1654420	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',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'	-Biphenyl	2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'	-Biphenyl	2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'	-Biphenyl	2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

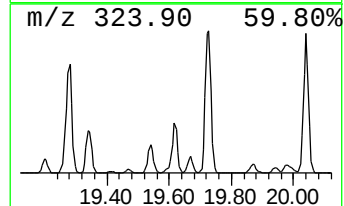
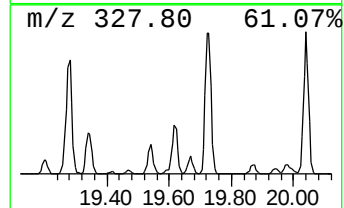
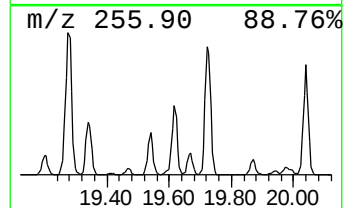
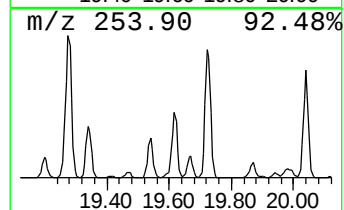
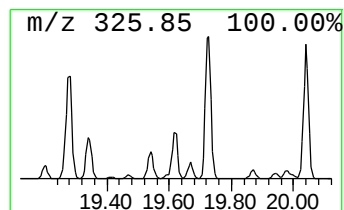
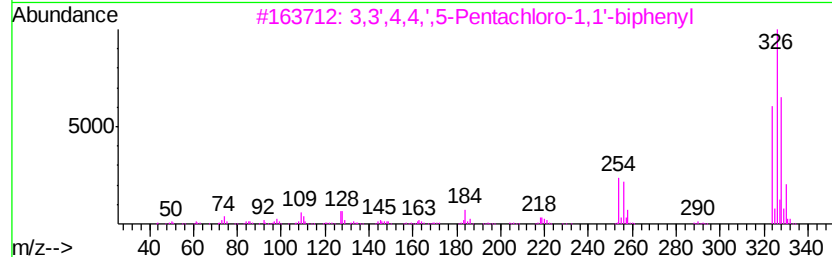
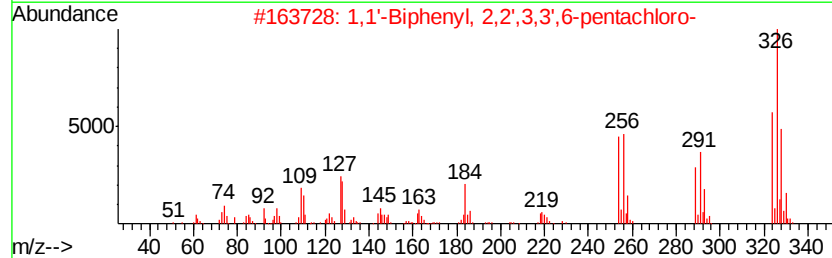
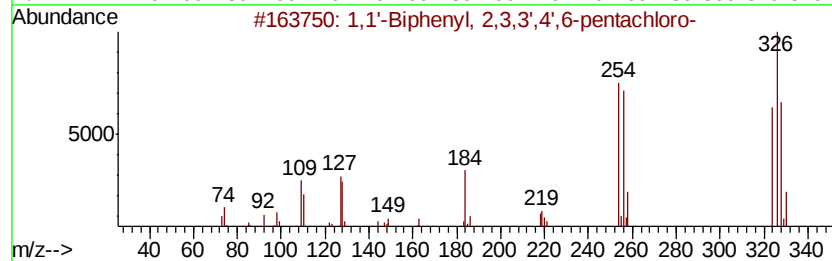
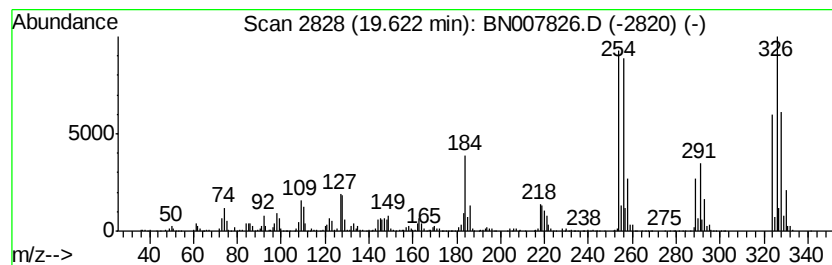
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.62	6.32 ng/ul	2706850	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	3,3',4,4',5-	Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
4	2,2',3,6,6'-	Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
5	1,1'	-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampled :
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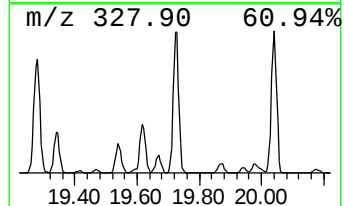
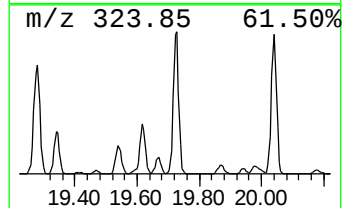
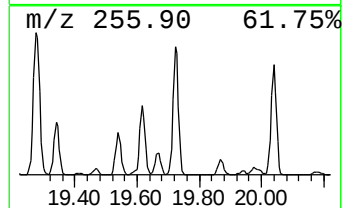
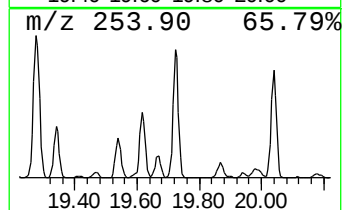
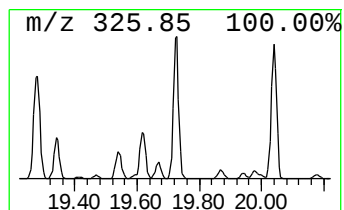
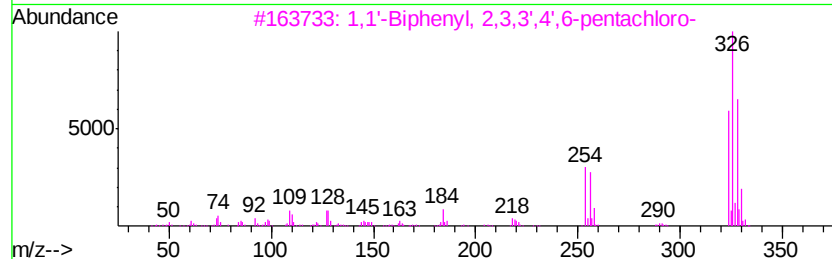
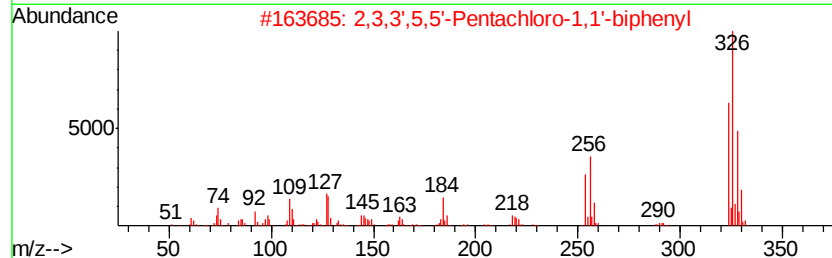
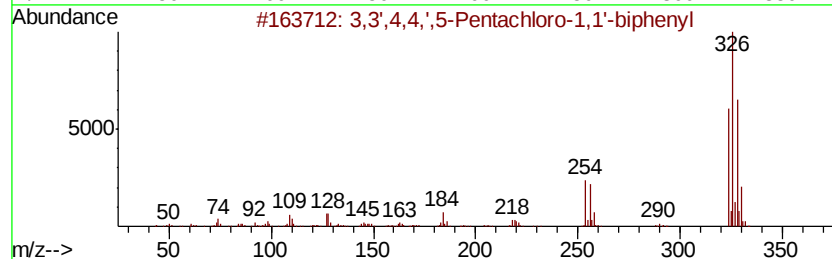
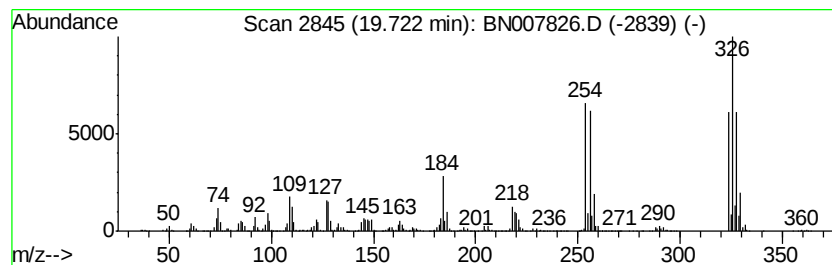
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	13.92 ng/ul	5963120	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		2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4		2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99
5		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

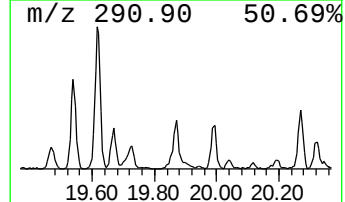
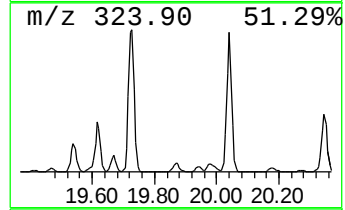
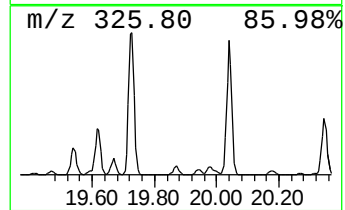
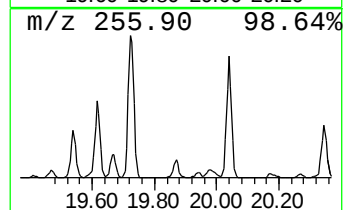
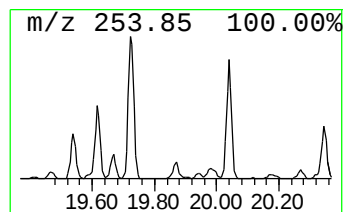
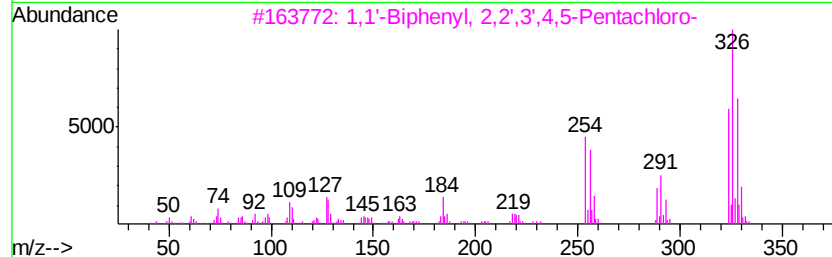
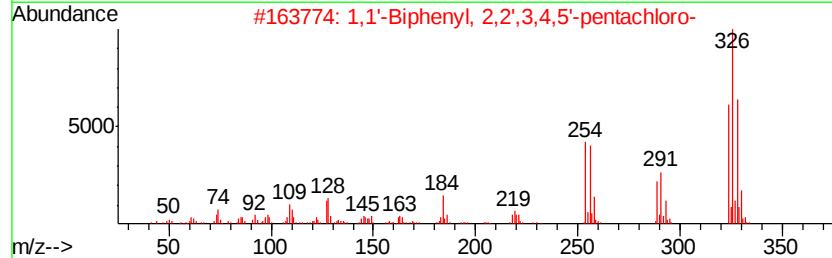
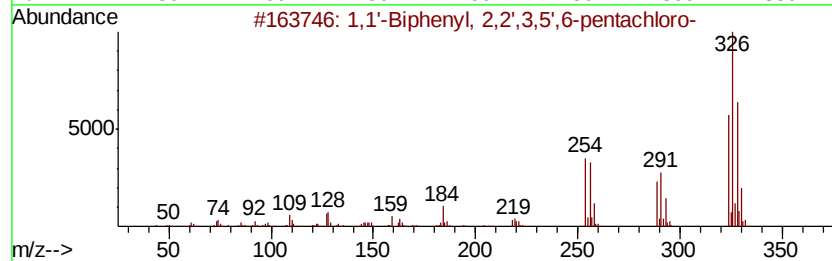
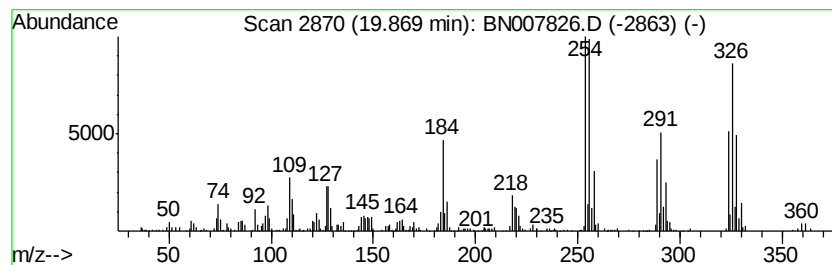
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.33 ng/ul	996385	Chrysene-d12	21.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',3,5',6-penta...	324 C12H5Cl5	038379-99-6	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324 C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3',4,5'-Penta...	324 C12H5Cl5	041464-51-1	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324 C12H5Cl5	070362-41-3	99
5	3,3',4,4',5'-Pentachloro-1,1'-bi...	324 C12H5Cl5	057465-28-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT2

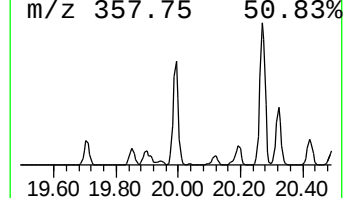
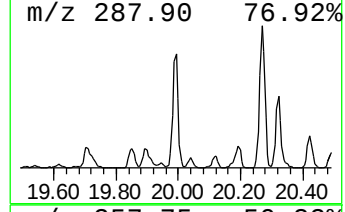
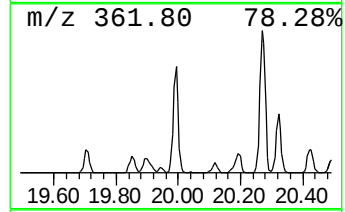
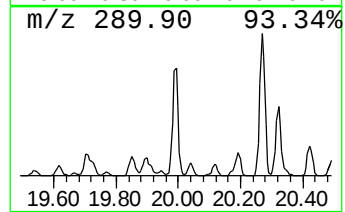
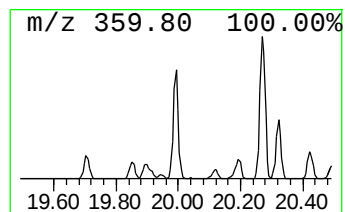
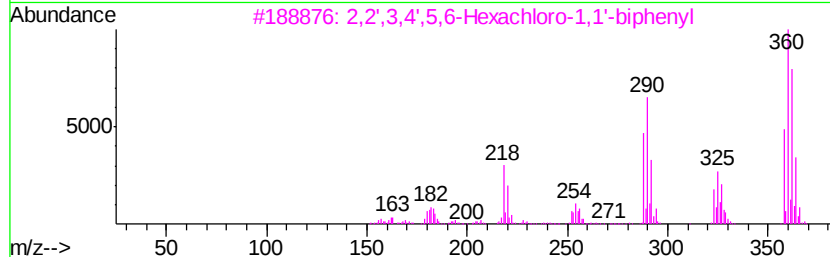
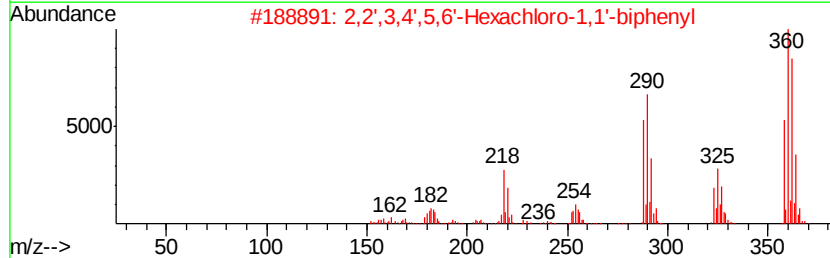
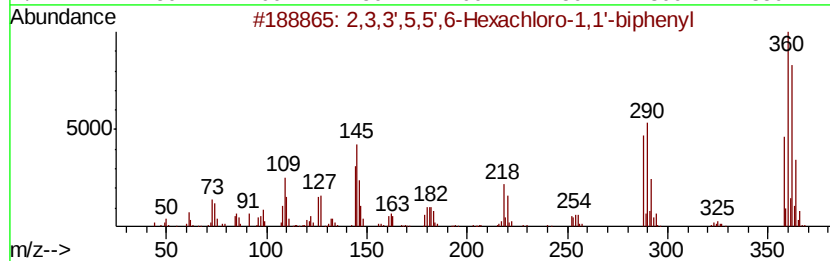
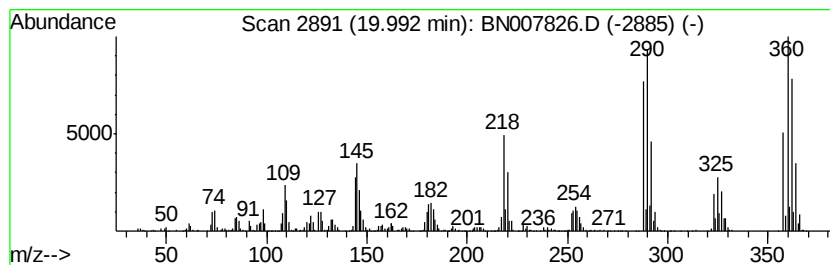
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	6.04 ng/ul	2588780	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99		
2	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99		
3	2,2',3,4',5,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	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 : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT2

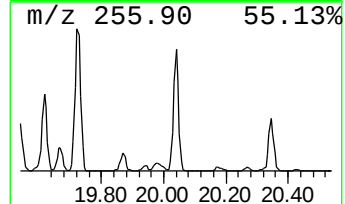
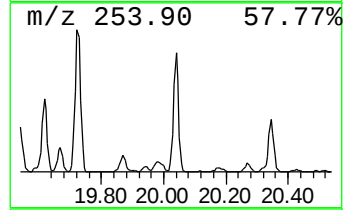
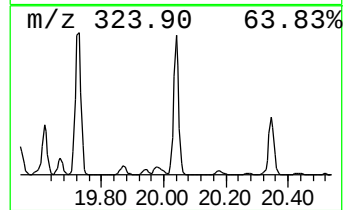
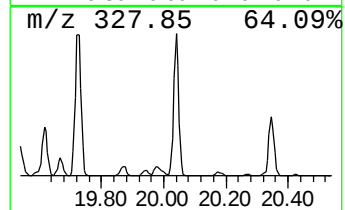
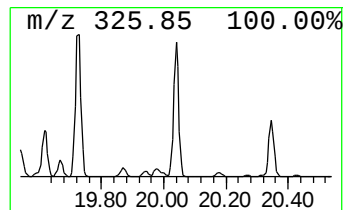
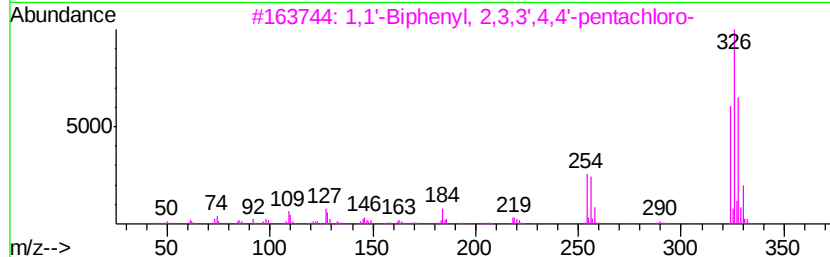
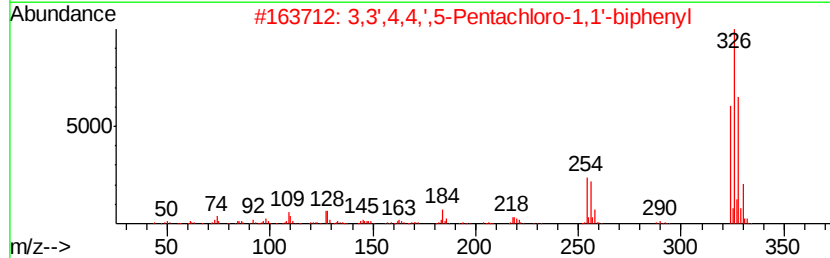
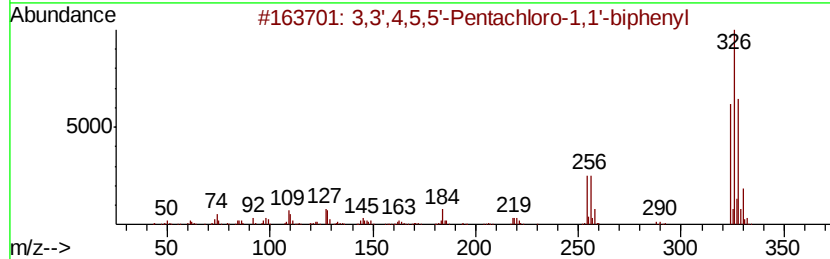
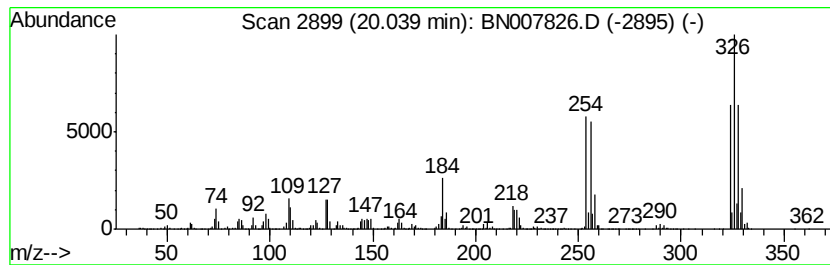
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	11.33 ng/ul	4852570	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		3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
3		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4		2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	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\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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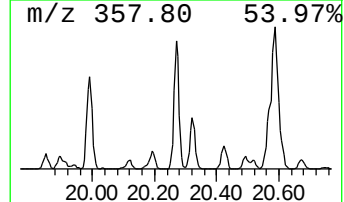
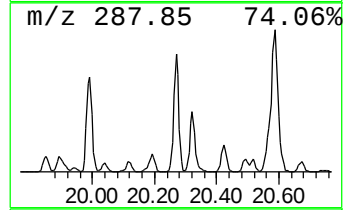
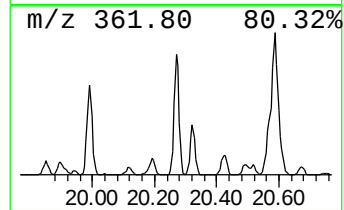
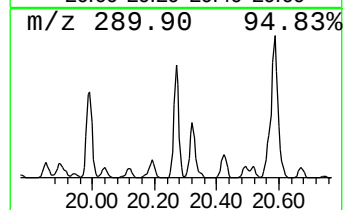
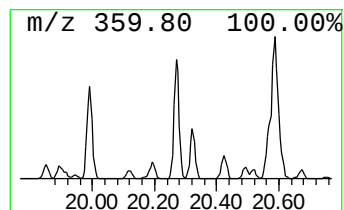
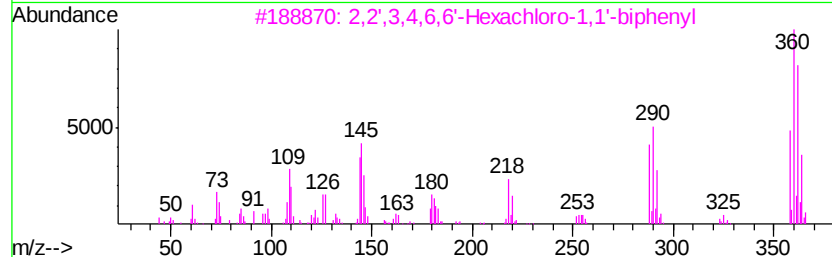
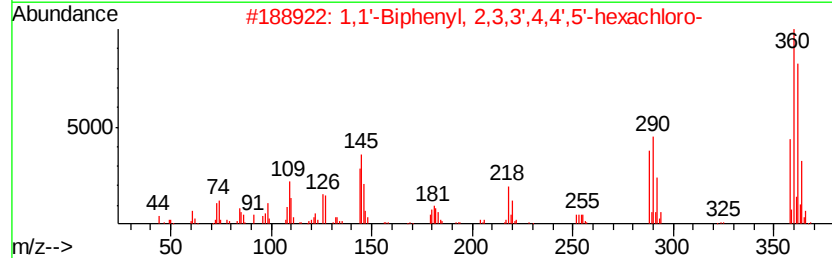
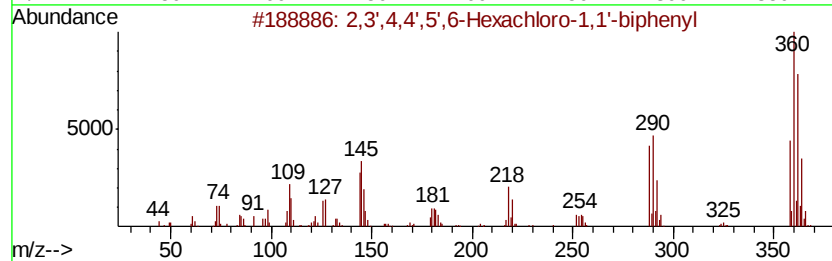
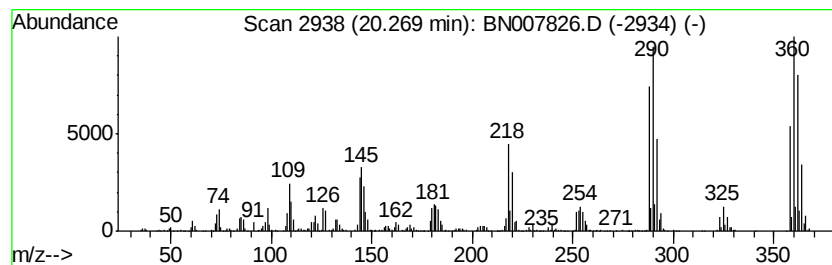
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	6.12 ng/ul	2623030	Chrysene-d12	21.26

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		1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
3		2,2',3,4,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99
4		2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
5		2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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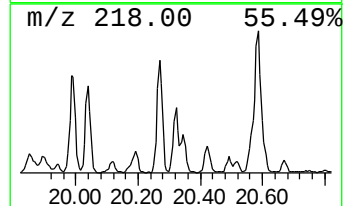
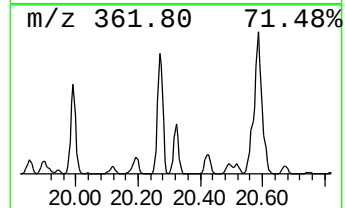
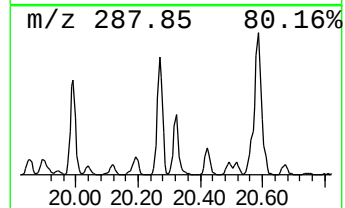
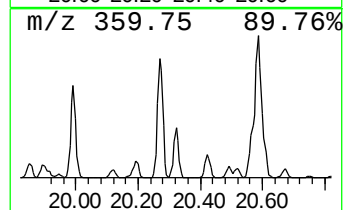
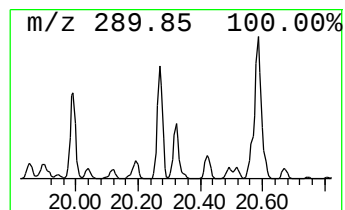
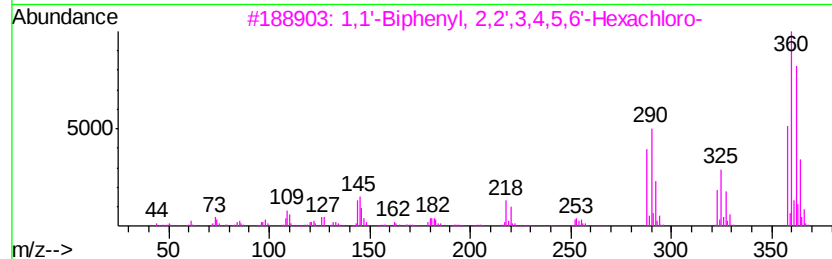
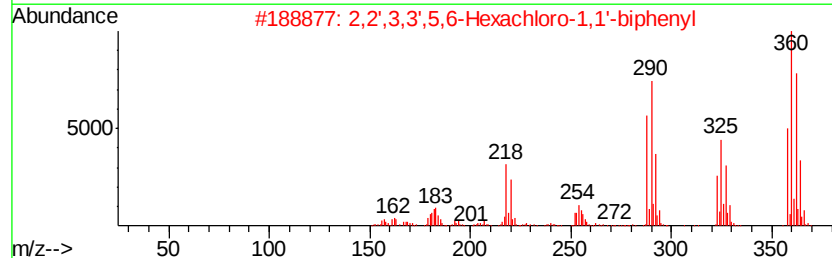
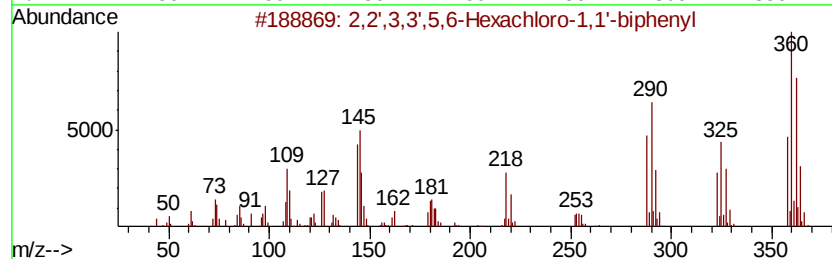
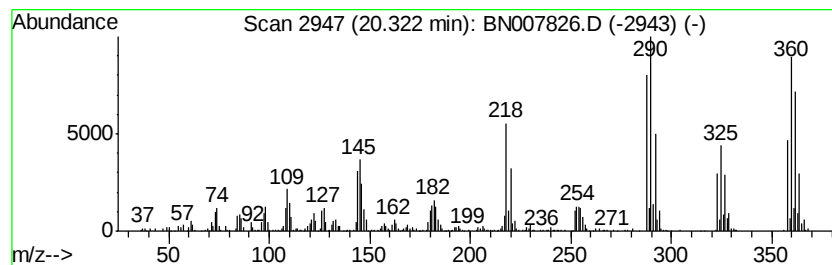
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	3.81 ng/ul	1631210	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		2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99
5		2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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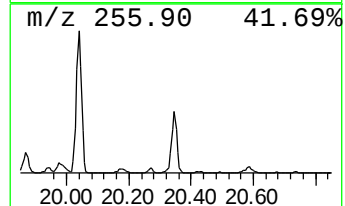
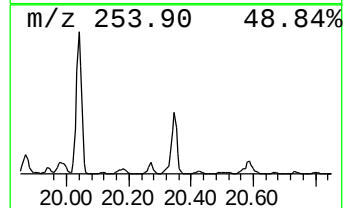
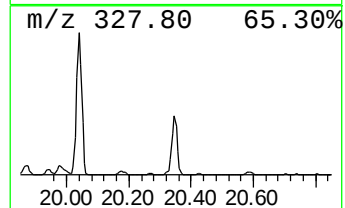
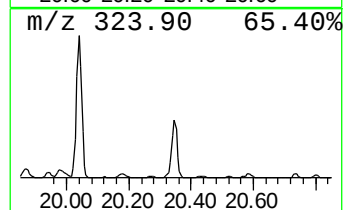
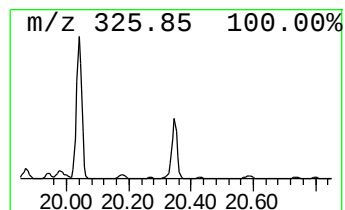
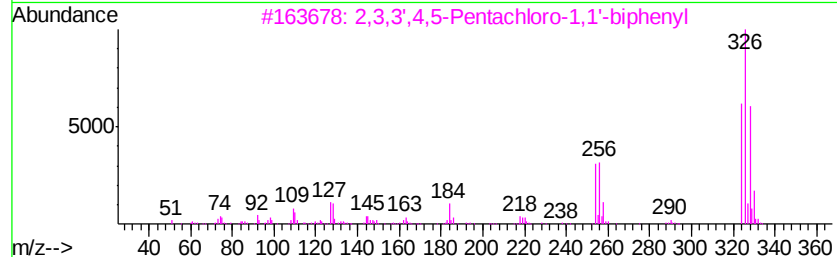
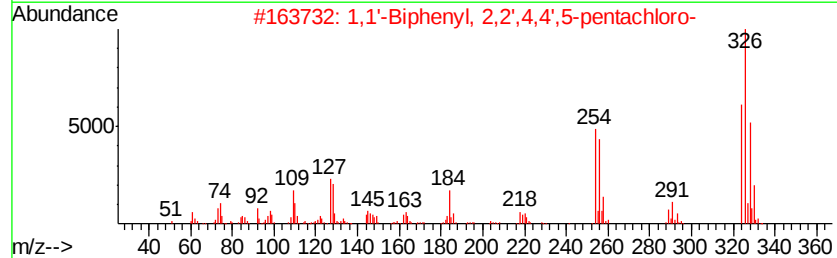
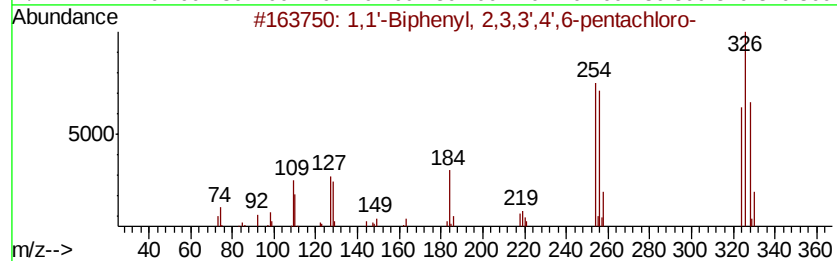
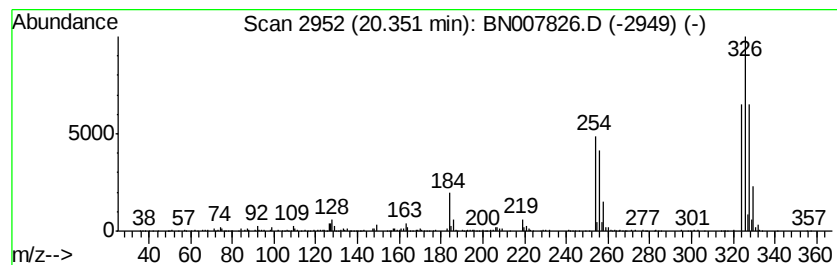
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	4.36 ng/ul	1870130	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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
3			2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	96
4			1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96
5			1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

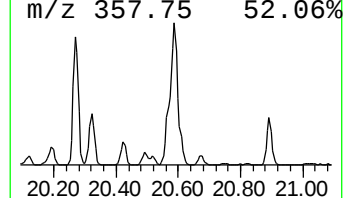
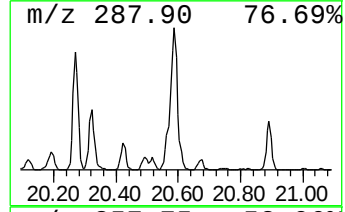
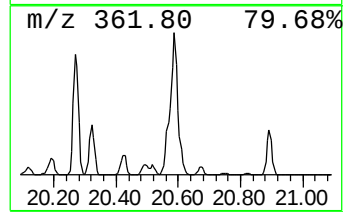
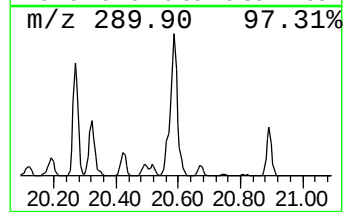
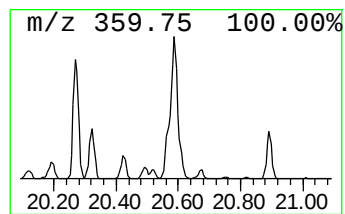
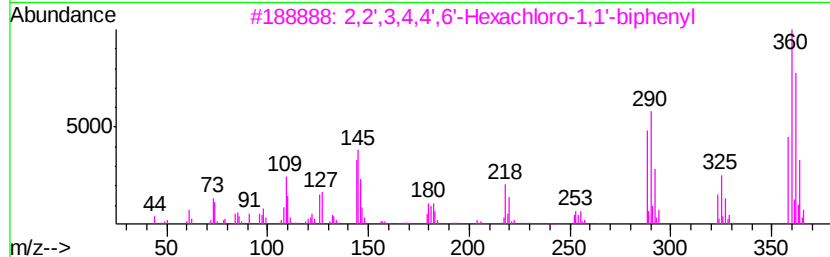
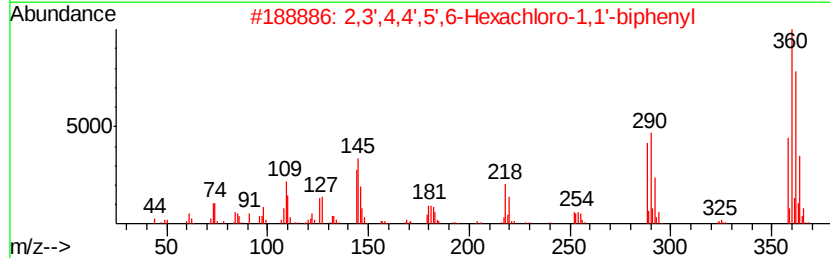
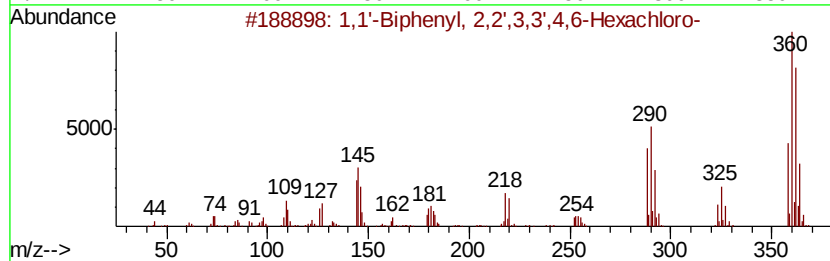
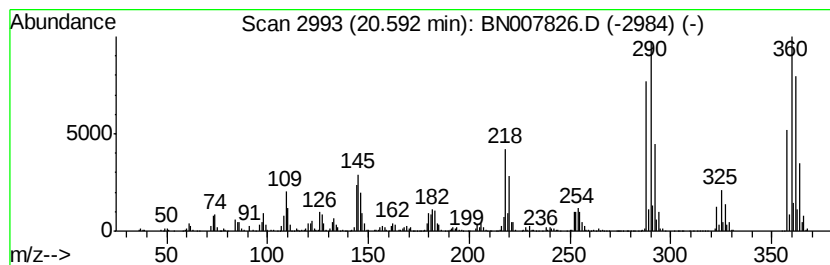
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.59	10.99 ng/ul	4710830	Chrysene-d12	21.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99	
2	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99	
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99	
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	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\BN092319\
Data File : BN007826.D
Acq On : 24 Sep 2019 06:28
Operator : HP/JU
Sample : K4977-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AT2

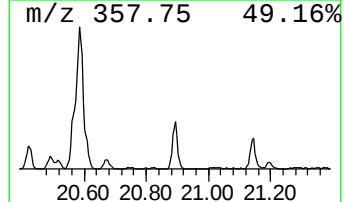
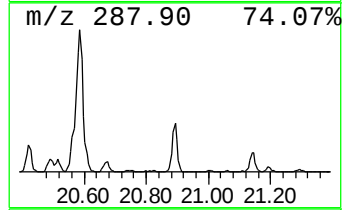
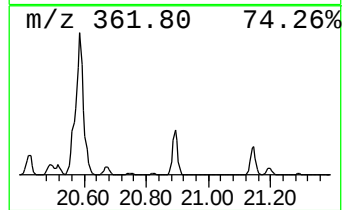
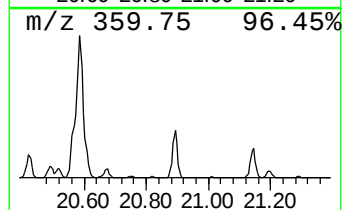
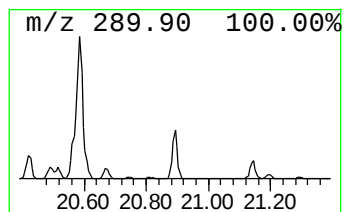
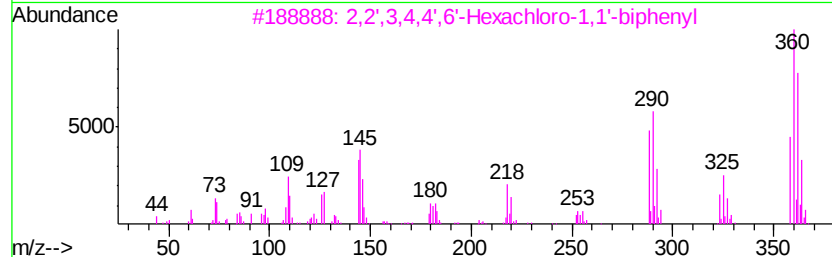
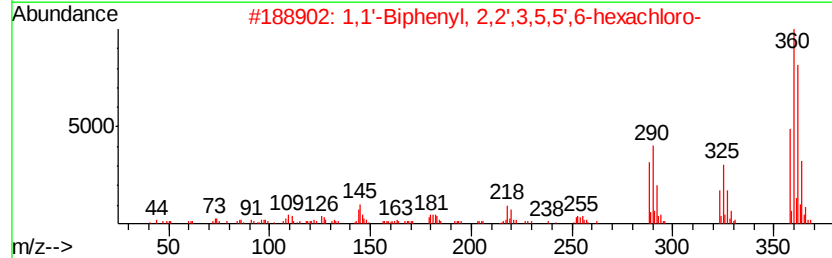
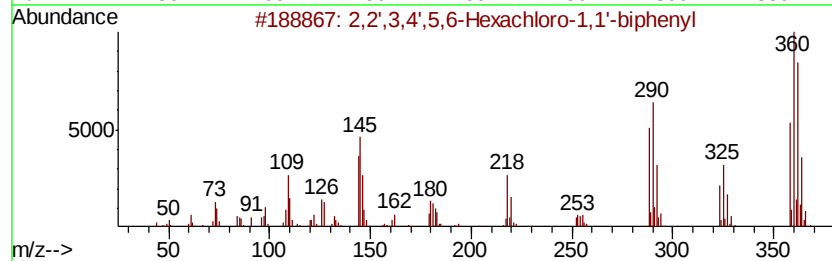
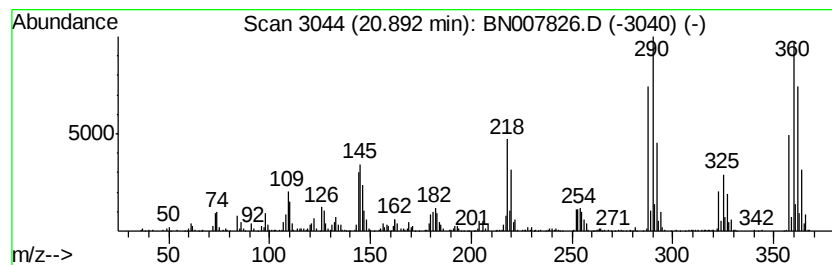
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.87 ng/ul	1228690	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	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'-b...	358	C12H4Cl6	074472-41-6	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\BN092319\
 Data File : BN007826.D
 Acq On : 24 Sep 2019 06:28
 Operator : HP/JU
 Sample : K4977-02
 Misc : GCMS CONFIRMATION
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT2

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	2.3	ng/ul	472495	1	7.69	4046340	20.0
(DEL) Alkane: Str...	3.18	7.0	ng/ul	1411180	1	7.69	4046340	20.0
1,1'-Biphenyl, 2,...	18.14	7.0	ng/ul	3022200	4	17.06	8570470	20.0
1,1'-Biphenyl, 2,...	18.42	3.0	ng/ul	1303660	4	17.06	8570470	20.0
1,1'-Biphenyl, 2,...	18.96	4.2	ng/ul	1811930	4	17.06	8570470	20.0
1,1'-Biphenyl, 2,...	19.20	3.1	ng/ul	1327400	5	21.26	8569680	20.0
2,3,3',4,5'-Penta...	19.34	4.7	ng/ul	2031950	5	21.26	8569680	20.0
1,1'-Biphenyl, 2,...	19.54	3.9	ng/ul	1654420	5	21.26	8569680	20.0
1,1'-Biphenyl, 2,...	19.62	6.3	ng/ul	2706850	5	21.26	8569680	20.0
3,3',4,4',5-Pent...	19.72	13.9	ng/ul	5963120	5	21.26	8569680	20.0
1,1'-Biphenyl, 2,...	19.87	2.3	ng/ul	996385	5	21.26	8569680	20.0
2,3,3',5,5',6-Hex...	19.99	6.0	ng/ul	2588780	5	21.26	8569680	20.0
3,3',4,5,5'-Penta...	20.04	11.3	ng/ul	4852570	5	21.26	8569680	20.0
2,3',4,4',5',6-He...	20.27	6.1	ng/ul	2623030	5	21.26	8569680	20.0
2,2',3,3',5,6-Hex...	20.32	3.8	ng/ul	1631210	5	21.26	8569680	20.0
1,1'-Biphenyl, 2,...	20.35	4.4	ng/ul	1870130	5	21.26	8569680	20.0
1,1'-Biphenyl, 2,...	20.59	11.0	ng/ul	4710830	5	21.26	8569680	20.0
2,2',3,4',5,6-Hex...	20.89	2.9	ng/ul	1228690	5	21.26	8569680	20.0