

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
 Data File : BM023905.D
 Acq On : 27 Nov 2019 00:14
 Operator : JU
 Sample : K5985-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B12

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_M\METHODS\SOM-EPA-BM111119MA.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	2.928	4	7	9	rVB	60333	59163	1.12%	0.133%
2	2.964	9	13	18	rVB	1299350	1236468	23.38%	2.781%
3	3.287	61	68	74	rVB	69417	94651	1.79%	0.213%
4	3.375	81	83	86	rVB4	8356	6158	0.12%	0.014%
5	3.487	100	102	107	rBV6	5361	6460	0.12%	0.015%
6	3.658	127	131	139	rVB7	11001	21715	0.41%	0.049%
7	3.746	142	146	152	rVB2	29860	43324	0.82%	0.097%
8	4.252	229	232	233	rBV2	4977	5579	0.11%	0.013%
9	4.275	234	236	242	rVB6	5397	6978	0.13%	0.016%
10	4.787	321	323	328	rBV5	3497	6138	0.12%	0.014%
11	5.999	525	529	535	rVB2	12204	19352	0.37%	0.044%
12	7.157	721	726	729	rVB4	5295	8014	0.15%	0.018%
13	7.393	763	766	769	rBV5	4745	6933	0.13%	0.016%
14	7.493	776	783	799	rBV	1800218	2946850	55.72%	6.628%
15	7.634	805	807	813	rVB4	9666	13401	0.25%	0.030%
16	8.422	937	941	944	rBV5	3423	5891	0.11%	0.013%
17	8.934	1024	1028	1031	rBV5	3599	5775	0.11%	0.013%
18	9.975	1200	1205	1209	rVB4	15153	22391	0.42%	0.050%
19	10.269	1247	1255	1269	rBV	2344104	4055995	76.69%	9.122%
20	10.528	1296	1299	1307	rVB7	5986	10408	0.20%	0.023%
21	10.740	1330	1335	1338	rBV4	5530	5811	0.11%	0.013%
22	10.957	1369	1372	1377	rVB6	4699	7101	0.13%	0.016%
23	12.616	1647	1654	1658	rVV7	4206	9540	0.18%	0.021%
24	13.875	1863	1868	1874	rBV3	2348	5995	0.11%	0.013%
25	14.157	1909	1916	1928	rBV	3613773	5289093	100.00%	11.895%
26	15.922	2211	2216	2217	rBV3	3539	6641	0.13%	0.015%
27	16.486	2309	2312	2317	rBV3	16210	27384	0.52%	0.062%
28	16.698	2343	2348	2351	rBV4	13782	19437	0.37%	0.044%
29	16.792	2362	2364	2368	rBV4	4910	7039	0.13%	0.016%
30	16.910	2377	2384	2397	rBV	3591678	5114790	96.70%	11.503%
31	17.016	2399	2402	2406	rVB	12155	17620	0.33%	0.040%
32	17.098	2413	2416	2420	rVB5	11411	14643	0.28%	0.033%
33	17.521	2482	2488	2493	rBV4	44602	84165	1.59%	0.189%
34	17.627	2503	2506	2513	rVV7	17921	30498	0.58%	0.069%

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35	17.774	2526	2531	2535	rBV7	22967	41235	0.78%	0.093%
36	17.986	2562	2567	2572	rBV	624052	836918	15.82%	1.882%
37	18.045	2573	2577	2582	rVV	147662	204822	3.87%	0.461%
38	18.092	2582	2585	2589	rVB3	38904	44802	0.85%	0.101%
39	18.274	2611	2616	2621	rBV	281159	370099	7.00%	0.832%
40	18.321	2621	2624	2629	rVB6	20919	29312	0.55%	0.066%
41	18.416	2637	2640	2643	rBV4	22114	25776	0.49%	0.058%
42	18.451	2643	2646	2653	rVB	104410	132183	2.50%	0.297%
43	18.704	2687	2689	2693	rBV6	14420	14908	0.28%	0.034%
44	18.768	2695	2700	2703	rBV	116710	163829	3.10%	0.368%
45	18.845	2709	2713	2721	rVB	914205	1401106	26.49%	3.151%
46	18.927	2723	2727	2731	rVB	136658	168658	3.19%	0.379%
47	18.974	2733	2735	2737	rBV3	15860	15471	0.29%	0.035%
48	19.057	2744	2749	2756	rBV3	222553	383495	7.25%	0.862%
49	19.133	2756	2762	2768	rVV	1345236	1891203	35.76%	4.253%
50	19.198	2768	2773	2778	rVV	510562	647146	12.24%	1.455%
51	19.321	2791	2794	2802	rBV8	59180	95000	1.80%	0.214%
52	19.392	2802	2806	2811	rBV	378680	482485	9.12%	1.085%
53	19.474	2815	2820	2824	rVV	618651	772252	14.60%	1.737%
54	19.521	2824	2828	2831	rVV	230541	270288	5.11%	0.608%
55	19.580	2831	2838	2844	rVB	1403310	1821444	34.44%	4.097%
56	19.721	2855	2862	2865	rBV5	161161	339209	6.41%	0.763%
57	19.798	2872	2875	2878	rVB3	54365	59730	1.13%	0.134%
58	19.845	2878	2883	2888	rBV2	553840	760815	14.38%	1.711%
59	19.898	2888	2892	2898	rVB	1213768	1433131	27.10%	3.223%
60	19.974	2902	2905	2908	rVB4	51297	60931	1.15%	0.137%
61	20.045	2912	2917	2921	rVB4	98736	167212	3.16%	0.376%
62	20.127	2926	2931	2935	rBV	630109	755682	14.29%	1.700%
63	20.174	2935	2939	2942	rVV2	316510	446802	8.45%	1.005%
64	20.204	2942	2944	2949	rVV	510602	571183	10.80%	1.285%
65	20.280	2953	2957	2963	rVB3	147680	202828	3.83%	0.456%
66	20.445	2977	2985	2992	rBV	786988	1331197	25.17%	2.994%
67	20.527	2996	2999	3002	rBV5	64692	77783	1.47%	0.175%
68	20.751	3033	3037	3041	rBV	256990	325151	6.15%	0.731%
69	20.998	3077	3079	3083	rVB3	112176	123363	2.33%	0.277%
70	21.115	3094	3099	3111	rBV	3245056	4607336	87.11%	10.362%
71	23.262	3458	3464	3472	rVB	2308930	4167221	78.79%	9.372%

LSC Area Percent Report

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Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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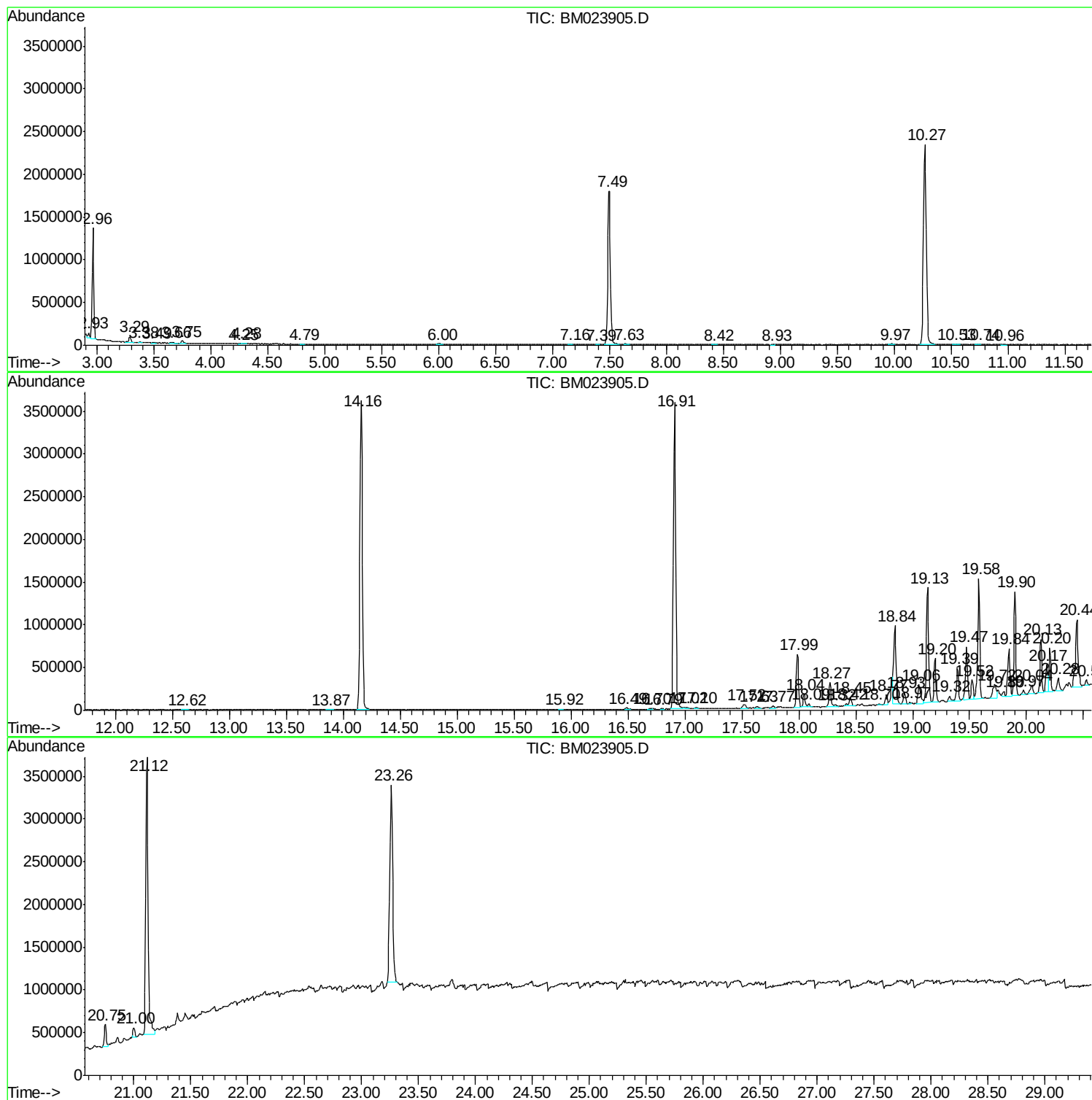
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION

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



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Sample : K5985-08
Misc :
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Instrument :
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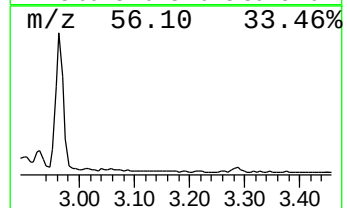
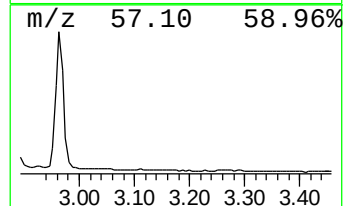
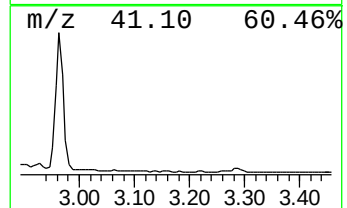
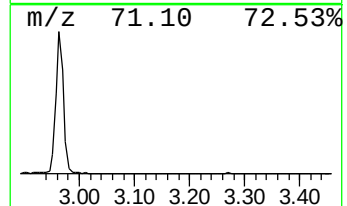
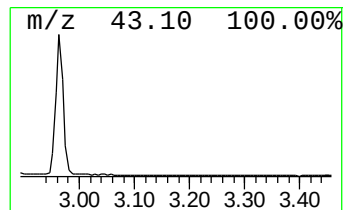
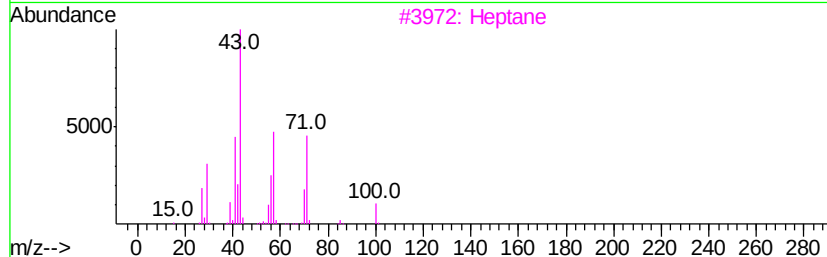
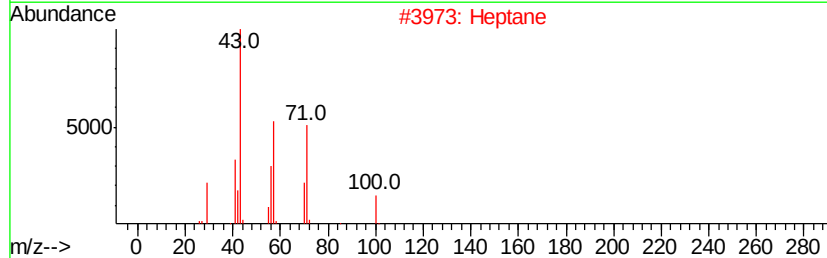
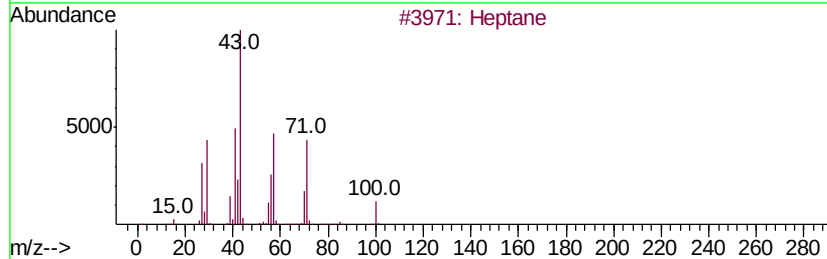
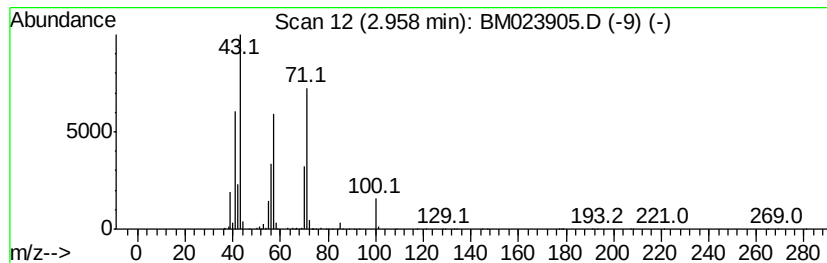
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	8.39 ng/ul	1236470	1,4-Dichlorobenzene-d4	7.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Heptane	100	C7H16	000142-82-5	91
3		Heptane	100	C7H16	000142-82-5	91
4		Heptane	100	C7H16	000142-82-5	91
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	50



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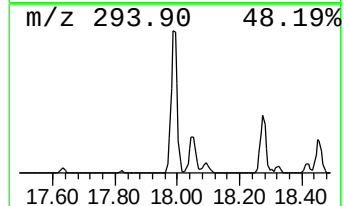
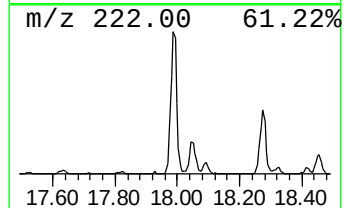
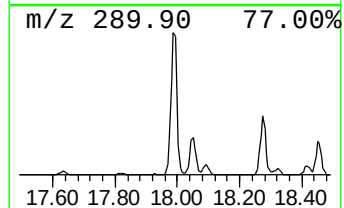
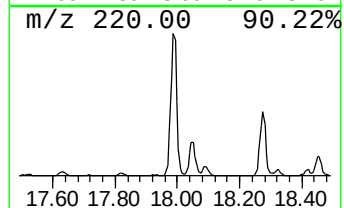
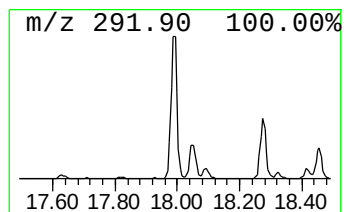
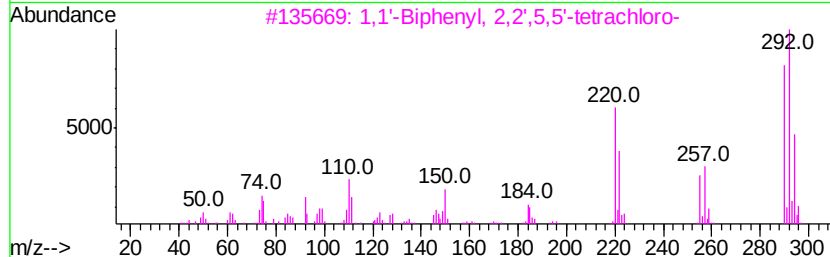
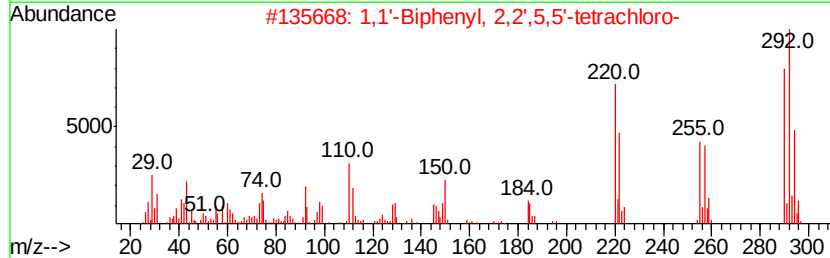
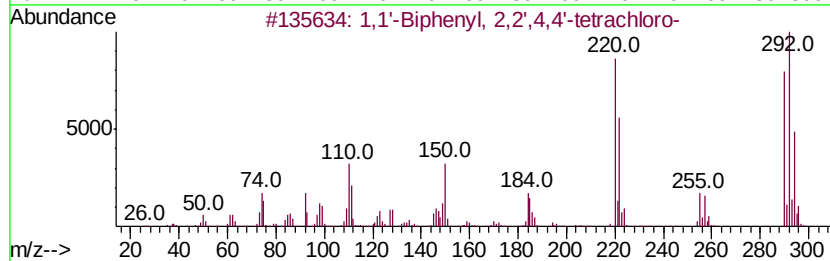
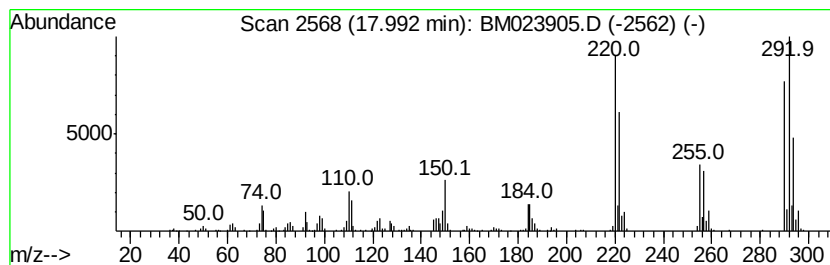
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.99	3.27 ng/ul	836918	Phenanthrene-d10	16.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'	-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'	-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'	-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
5	2,2',4,5-Tetrachloro-1,1'	-biphenyl	290	C12H6Cl4	070362-47-9	99



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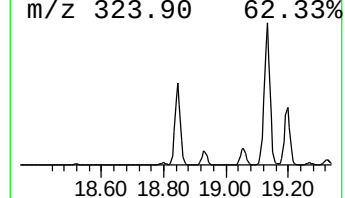
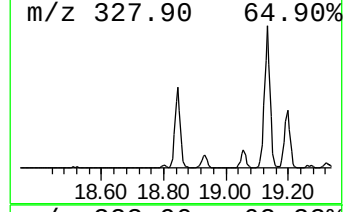
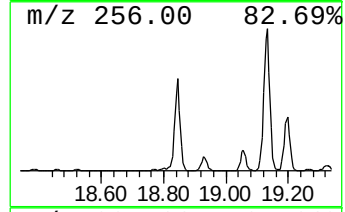
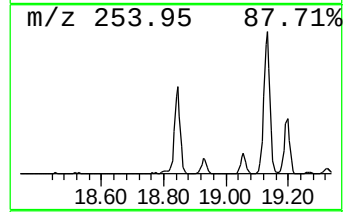
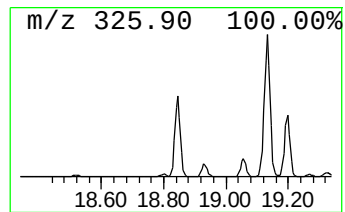
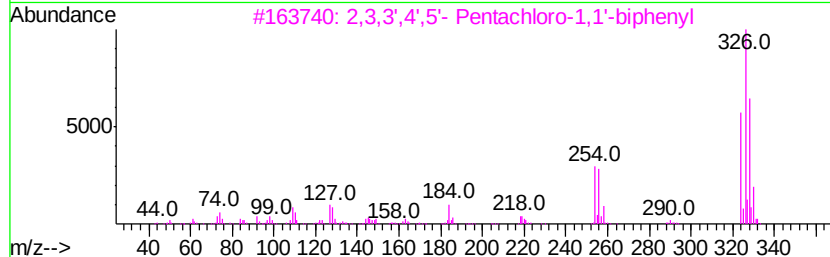
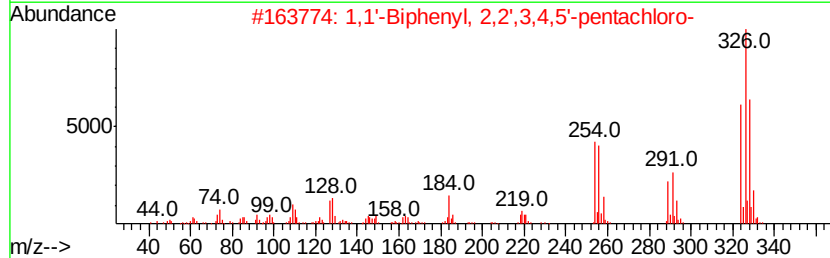
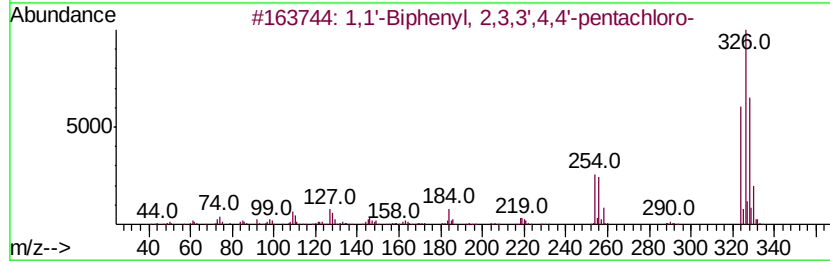
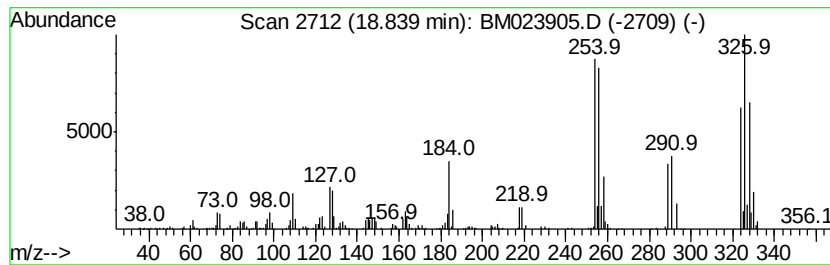
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Peak Number 3 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.84	5.48 ng/ul	1401110	Phenanthrene-d10	16.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99



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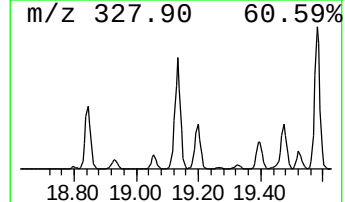
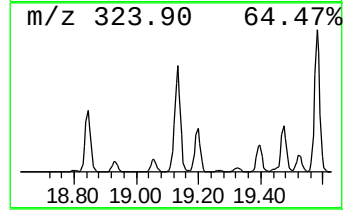
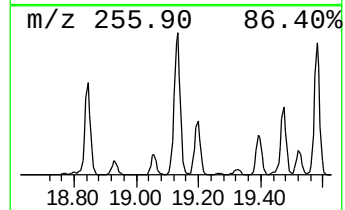
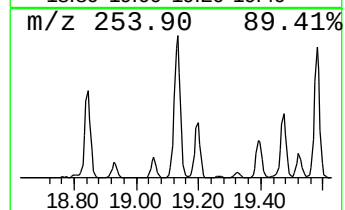
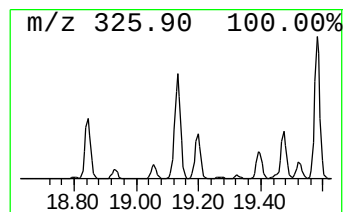
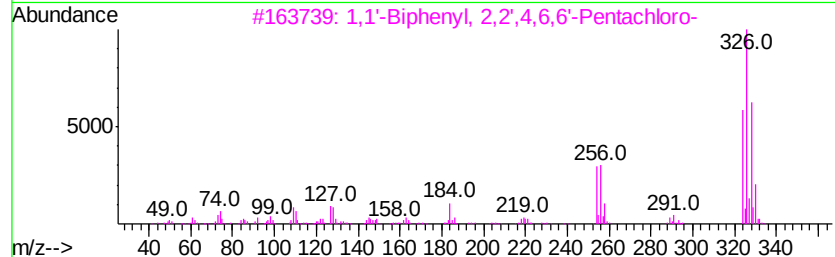
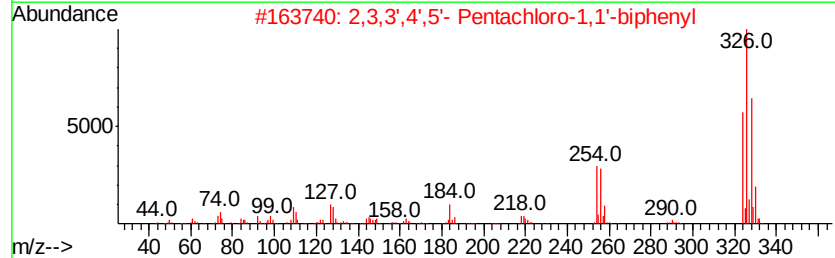
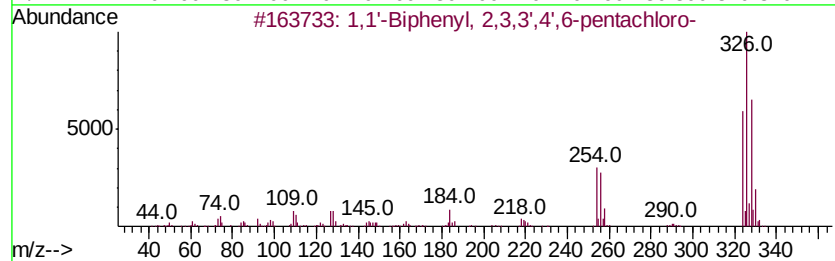
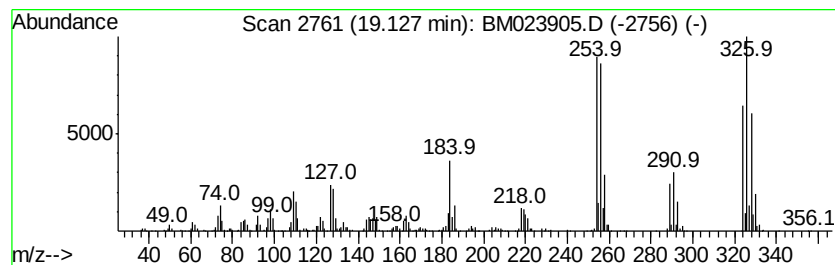
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.13	8.21 ng/ul	1891200	Chrysene-d12	21.12		
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'-b...	324	C12H5Cl5	076842-07-4	99	
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99	
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99	
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023905.D
Acq On : 27 Nov 2019 00:14
Operator : JU
Sample : K5985-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

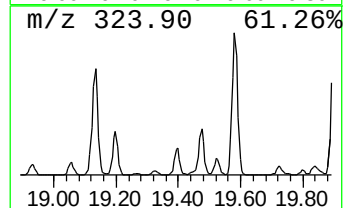
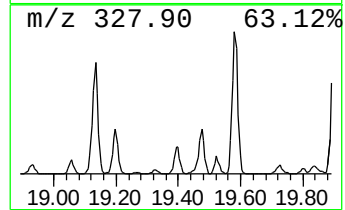
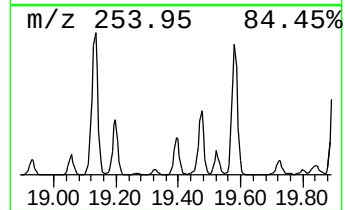
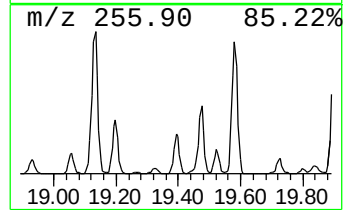
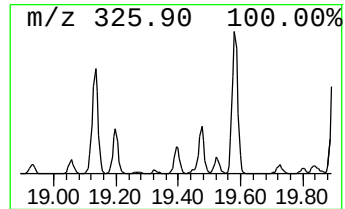
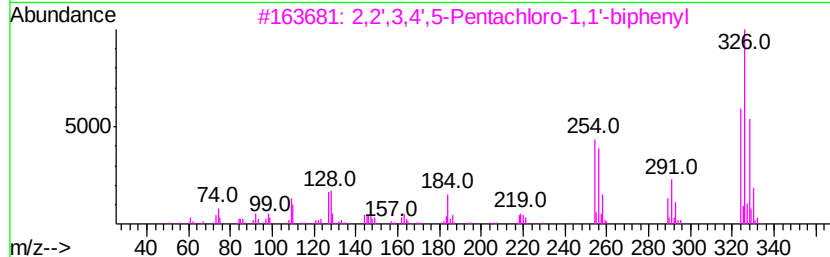
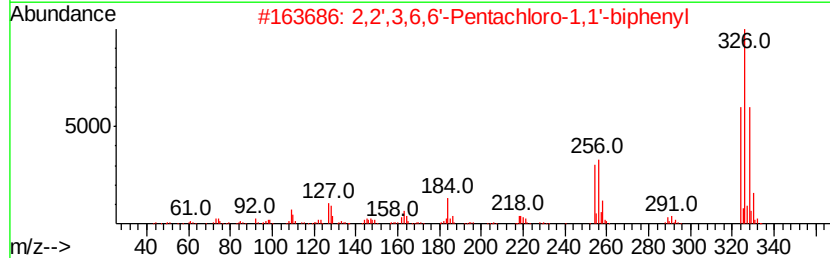
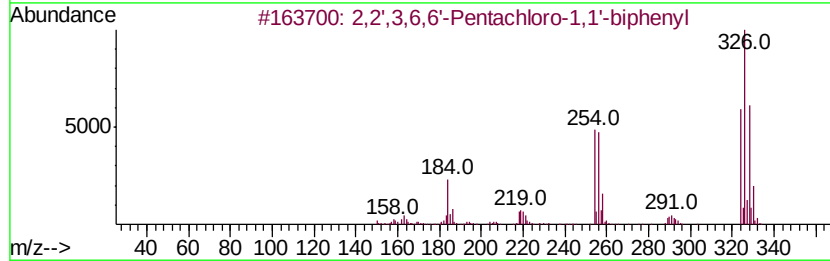
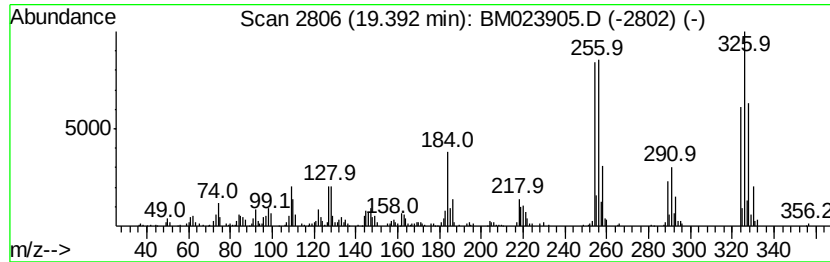
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.39	2.09 ng/ul	482485	Chrysene-d12	21.12		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99	
2	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99	
3	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99	
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99	
5	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023905.D
Acq On : 27 Nov 2019 00:14
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Sample : K5985-08
Misc :
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Instrument :
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ClientSampleId :
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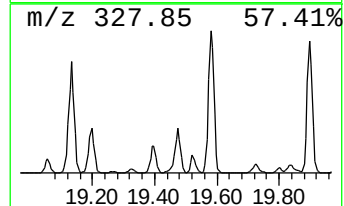
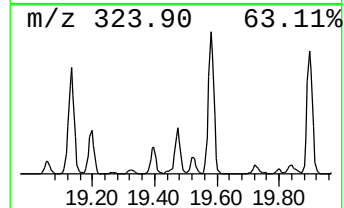
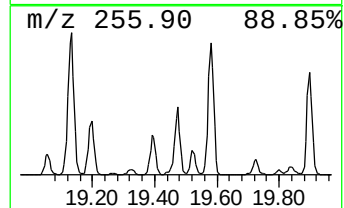
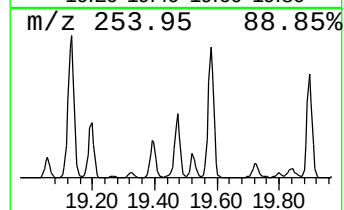
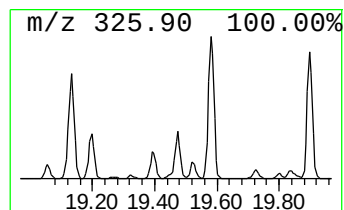
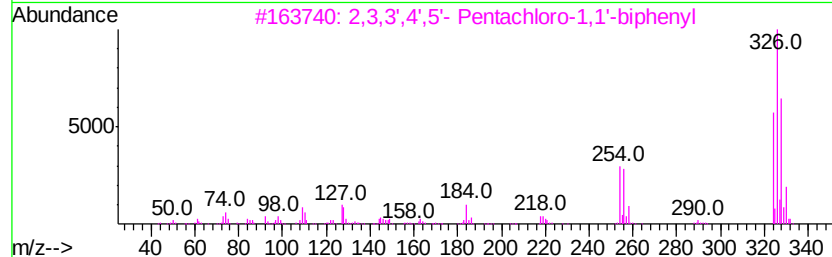
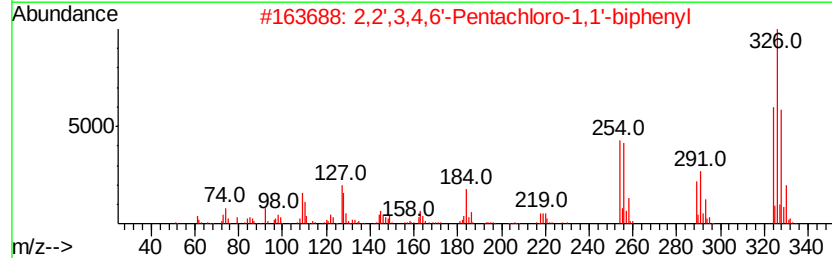
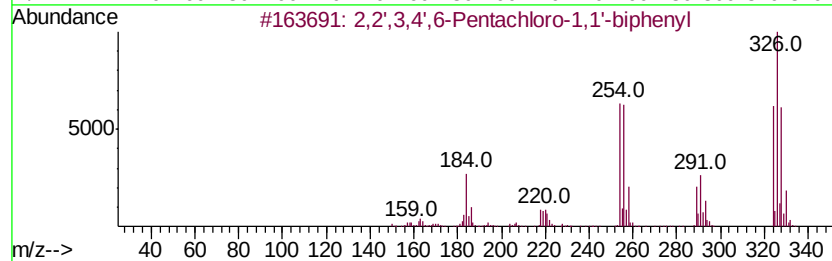
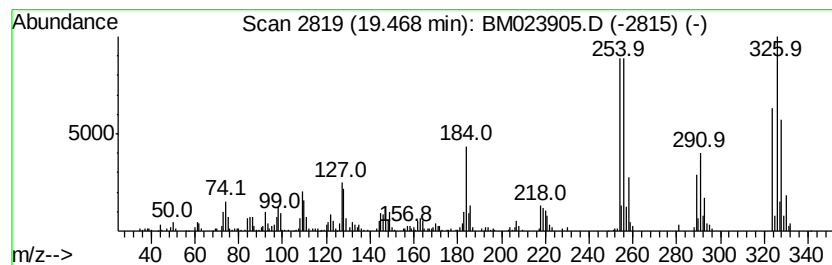
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 2,2',3,4',6-Pentachloro-1,1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	3.35 ng/ul	772252	Chrysene-d12	21.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99
2		2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
3		2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
4		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5		2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023905.D
Acq On : 27 Nov 2019 00:14
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Sample : K5985-08
Misc :
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Instrument :
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ClientSampleId :
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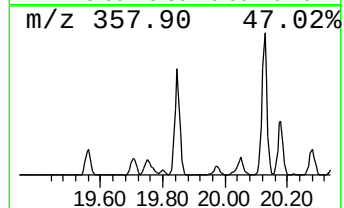
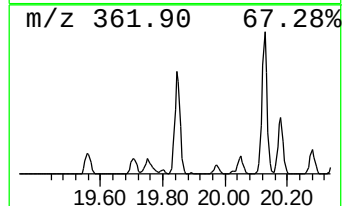
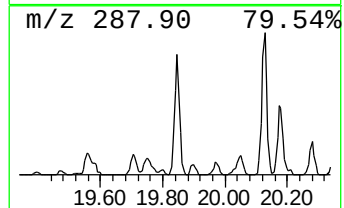
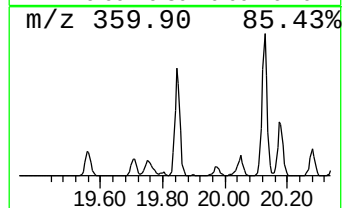
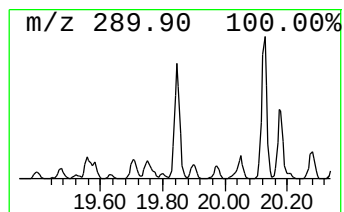
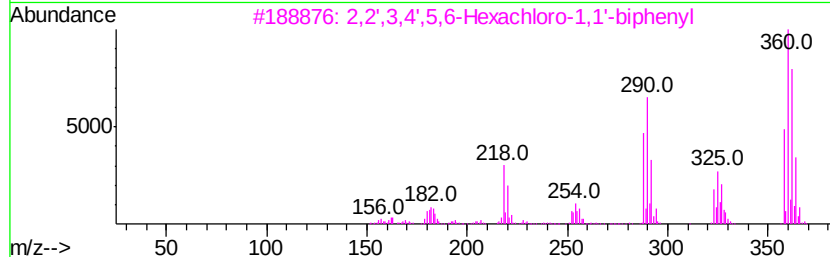
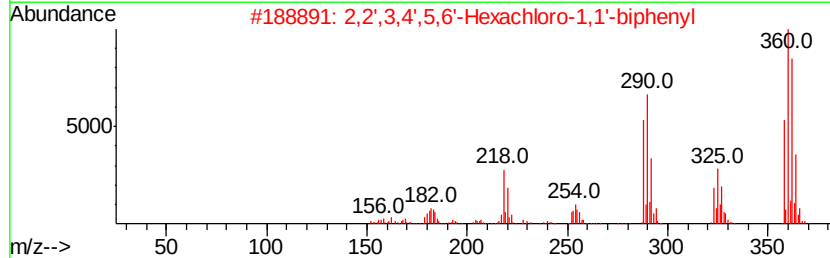
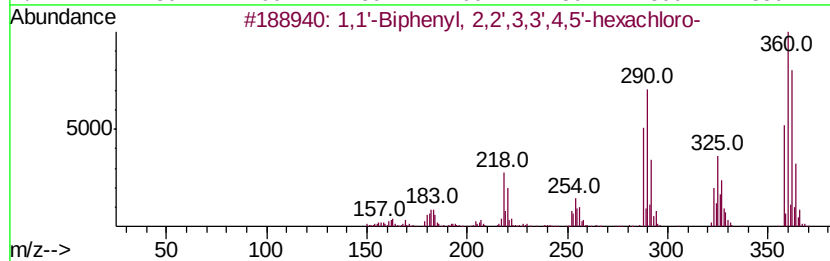
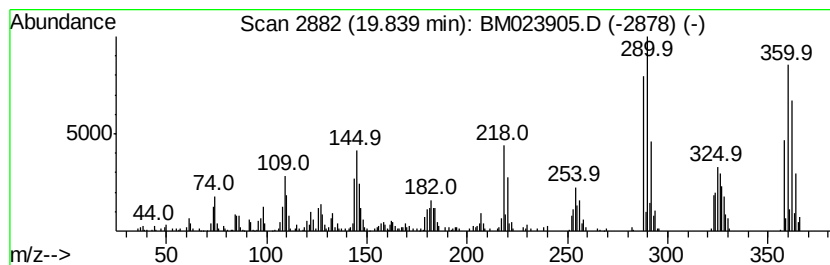
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.30 ng/ul	760815	Chrysene-d12	21.12

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
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Sample : K5985-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

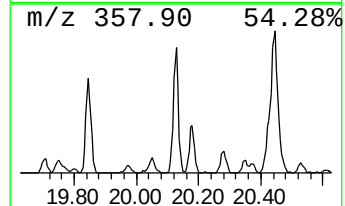
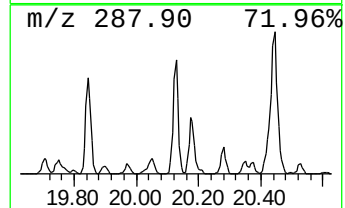
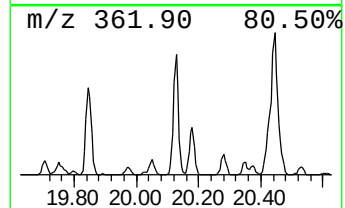
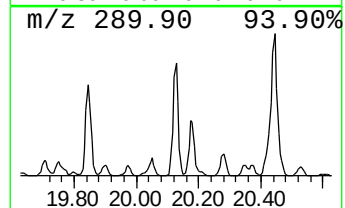
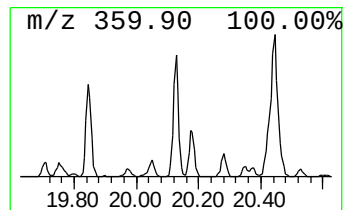
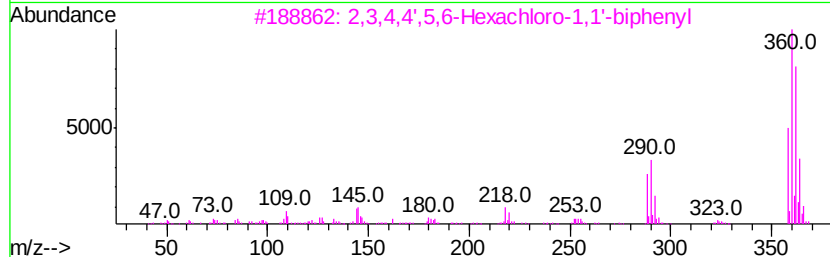
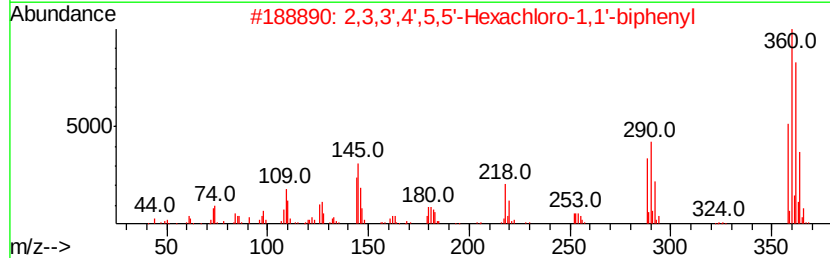
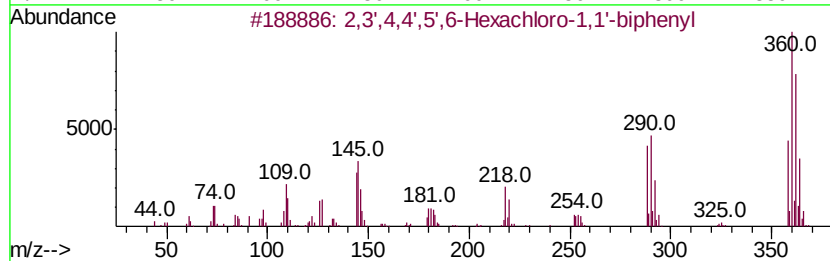
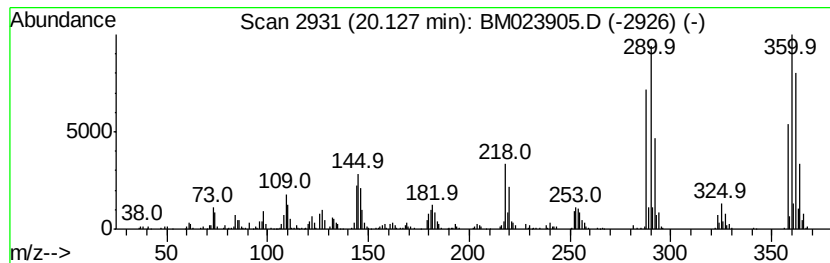
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.13	3.28 ng/ul	755682	Chrysene-d12	21.12		
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',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99	
3	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99	
4	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99	
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023905.D
Acq On : 27 Nov 2019 00:14
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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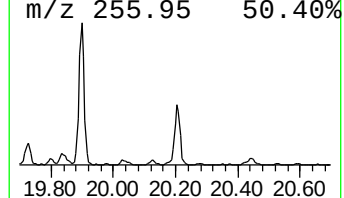
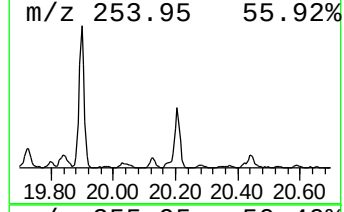
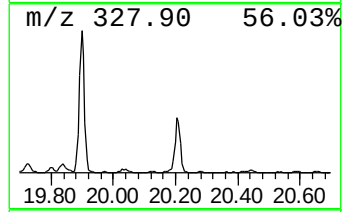
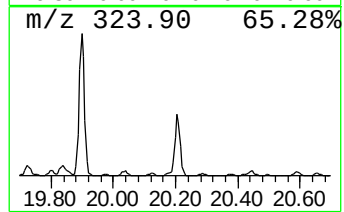
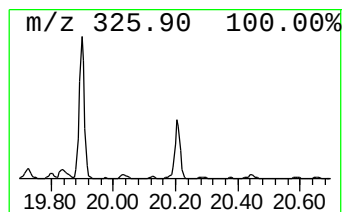
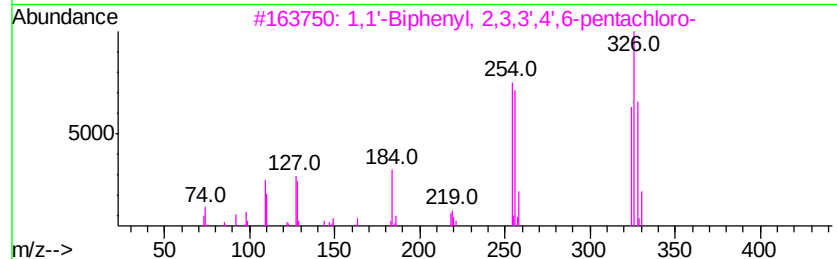
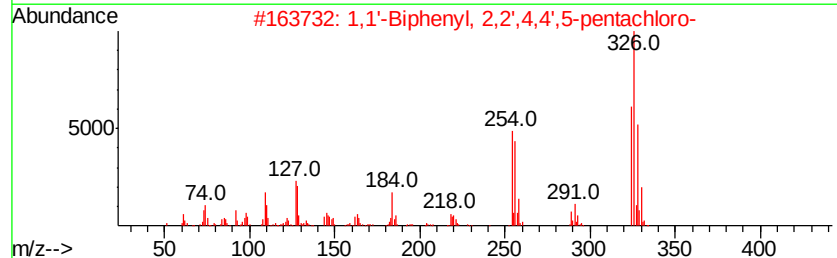
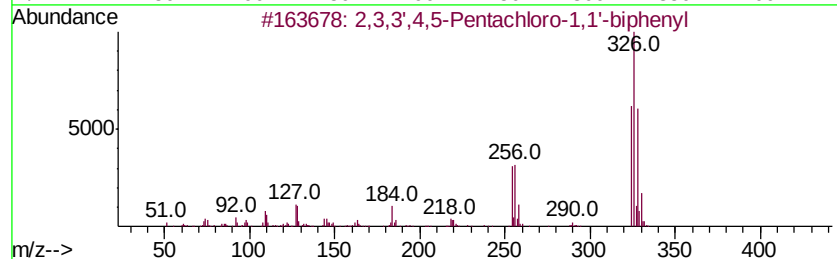
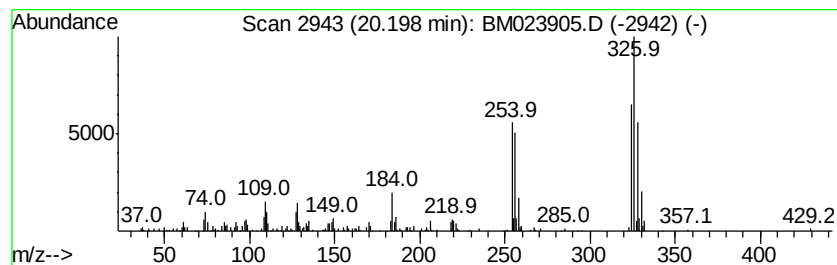
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.48 ng/ul	571183	Chrysene-d12	21.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	98
2		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
4		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	96
5		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
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Sample : K5985-08
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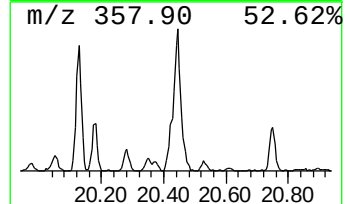
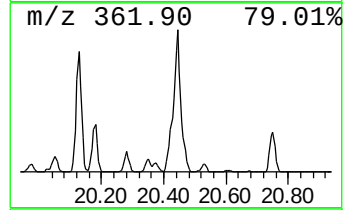
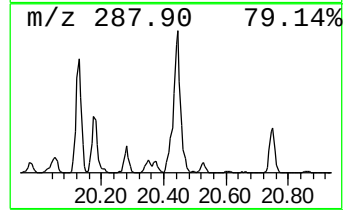
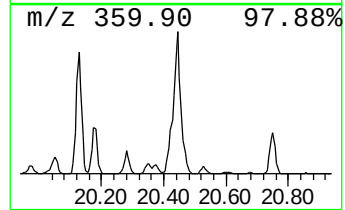
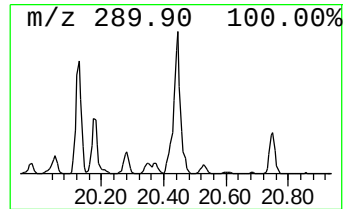
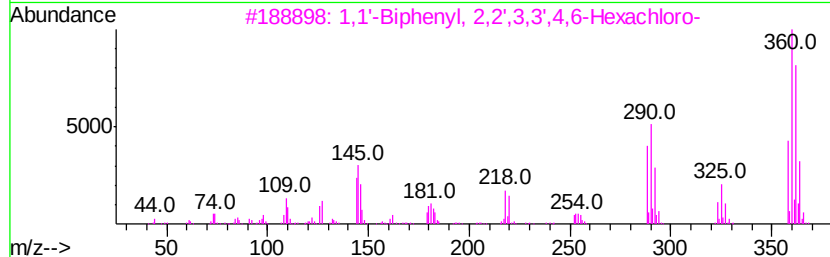
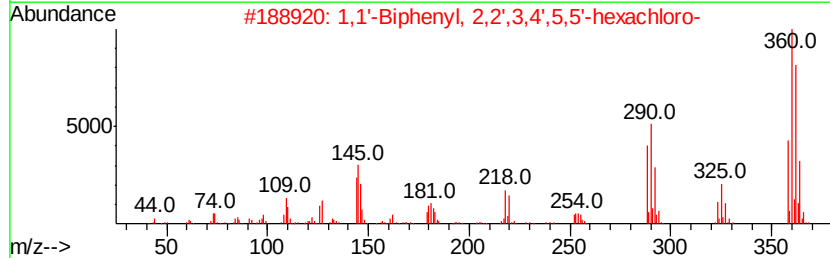
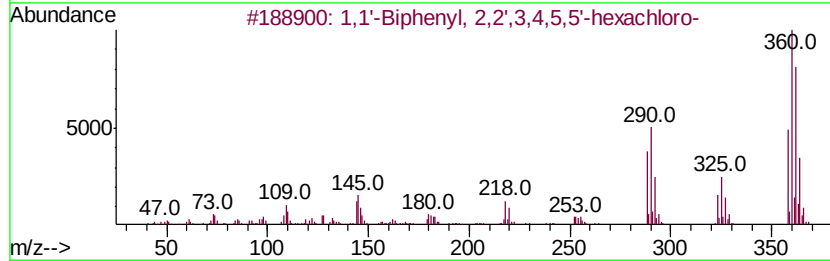
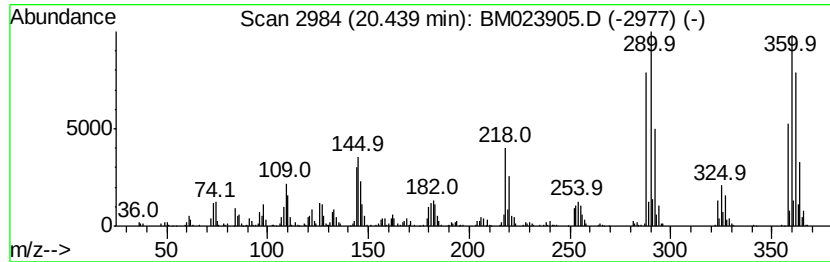
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.44	5.78 ng/ul	1331200	Chrysene-d12	21.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112619\
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Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	2.96	8.4	ng/ul	1236470	1	7.50	2946850	20.0
1,1'-Biphenyl, 2,...	17.99	3.3	ng/ul	836918	4	16.91	5114790	20.0
1,1'-Biphenyl, 2,...	18.84	5.5	ng/ul	1401110	4	16.91	5114790	20.0
1,1'-Biphenyl, 2,...	19.13	8.2	ng/ul	1891200	5	21.12	4607340	20.0
2,2',3,6,6'-Penta...	19.39	2.1	ng/ul	482485	5	21.12	4607340	20.0
2,2',3,4',6-Penta...	19.47	3.4	ng/ul	772252	5	21.12	4607340	20.0
1,1'-Biphenyl, 2,...	19.84	3.3	ng/ul	760815	5	21.12	4607340	20.0
2,3',4,4',5',6-He...	20.13	3.3	ng/ul	755682	5	21.12	4607340	20.0
2,3,3',4,5-Pentac...	20.20	2.5	ng/ul	571183	5	21.12	4607340	20.0
1,1'-Biphenyl, 2,...	20.44	5.8	ng/ul	1331200	5	21.12	4607340	20.0