

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\
 Data File : BN002283.D
 Acq On : 10 Aug 2018 10:11
 Operator : JU/SJ
 Sample : J4301-16
 Misc : for GCMS confirmation
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AF5

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 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-BN071318MA.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	3.022	4	6	12	rVB	73327	82669	2.46%	0.187%
2	3.187	30	34	41	rVB	925899	991636	29.51%	2.237%
3	7.681	792	798	808	rBV	1207564	1920280	57.14%	4.333%
4	10.457	1262	1270	1282	rBV	1600067	2673117	79.54%	6.031%
5	14.316	1919	1926	1939	rBV2	2261405	3325015	98.94%	7.502%
6	17.063	2387	2393	2407	rBV2	2356792	3360541	100.00%	7.582%
7	17.663	2490	2495	2504	rVB3	27430	48405	1.44%	0.109%
8	18.139	2570	2576	2581	rBV	1284516	1712554	50.96%	3.864%
9	18.198	2581	2586	2590	rVV	241865	316982	9.43%	0.715%
10	18.239	2590	2593	2597	rVB2	39835	49207	1.46%	0.111%
11	18.421	2619	2624	2629	rBV	539322	677936	20.17%	1.530%
12	18.604	2651	2655	2659	rVB	124944	157938	4.70%	0.356%
13	18.915	2703	2708	2711	rBV	145484	187297	5.57%	0.423%
14	18.968	2711	2717	2718	rVV	749297	1038865	30.91%	2.344%
15	18.992	2718	2721	2729	rVB	1667597	2229160	66.33%	5.030%
16	19.074	2731	2735	2741	rVB	208632	255151	7.59%	0.576%
17	19.198	2751	2756	2764	rBV2	354820	556176	16.55%	1.255%
18	19.274	2764	2769	2776	rVV	2234427	3158587	93.99%	7.127%
19	19.339	2776	2780	2785	rVB	662241	828740	24.66%	1.870%
20	19.468	2798	2802	2809	rVB	96189	108085	3.22%	0.244%
21	19.539	2809	2814	2820	rBV	573004	711020	21.16%	1.604%
22	19.621	2820	2828	2832	rVV	938175	1235777	36.77%	2.788%
23	19.668	2832	2836	2839	rVV	261655	313004	9.31%	0.706%
24	19.727	2839	2846	2852	rVB	2077871	2663215	79.25%	6.009%
25	19.851	2862	2867	2869	rBV2	184075	258386	7.69%	0.583%
26	19.868	2869	2870	2873	rVV	200848	232068	6.91%	0.524%
27	19.898	2873	2875	2880	rVV	153309	206771	6.15%	0.467%
28	19.945	2880	2883	2886	rVV2	89517	105440	3.14%	0.238%
29	19.992	2886	2891	2895	rVV2	938483	1188075	35.35%	2.681%
30	20.045	2895	2900	2905	rVB	1443054	1798014	53.50%	4.057%
31	20.121	2908	2913	2917	rVB2	97360	123197	3.67%	0.278%
32	20.192	2918	2925	2930	rBV3	166581	261230	7.77%	0.589%
33	20.274	2934	2939	2943	rBV	913021	1108069	32.97%	2.500%
34	20.327	2943	2948	2950	rBV	478238	669571	19.92%	1.511%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Filtering: 5
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 Max Peaks: 100
 Peak Location: TOP

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

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35	20.351	2950	2952	2958	rVB	565748	653516	19.45%	1.475%
36	20.427	2960	2965	2970	rBV3	223775	289379	8.61%	0.653%
37	20.498	2973	2977	2979	rBV3	83531	105490	3.14%	0.238%
38	20.521	2979	2981	2985	rVB2	102915	102285	3.04%	0.231%
39	20.592	2985	2993	3000	rBV	1125800	1838033	54.69%	4.147%
40	20.674	3004	3007	3012	rBV3	75936	90551	2.69%	0.204%
41	20.739	3015	3018	3025	rVB4	73445	87500	2.60%	0.197%
42	20.804	3025	3029	3032	rBV5	40050	47113	1.40%	0.106%
43	20.898	3041	3045	3050	rBV	320918	386779	11.51%	0.873%
44	21.009	3060	3064	3070	rBV4	79149	97101	2.89%	0.219%
45	21.068	3070	3074	3077	rBV4	46366	54777	1.63%	0.124%
46	21.151	3085	3088	3094	rVB2	146939	161879	4.82%	0.365%
47	21.204	3094	3097	3103	rBV5	34524	49328	1.47%	0.111%
48	21.268	3103	3108	3119	rBV	1972956	2789428	83.01%	6.294%
49	21.609	3162	3166	3172	rBV5	104651	142222	4.23%	0.321%
50	22.839	3372	3375	3380	rVB3	55728	71555	2.13%	0.161%
51	23.398	3466	3470	3475	rVB2	65879	107403	3.20%	0.242%
52	23.503	3480	3488	3499	rBV2	1306756	2439581	72.59%	5.504%
53	24.033	3574	3578	3586	rVB	70294	125990	3.75%	0.284%
54	24.768	3699	3703	3711	rVB3	61487	128258	3.82%	0.289%

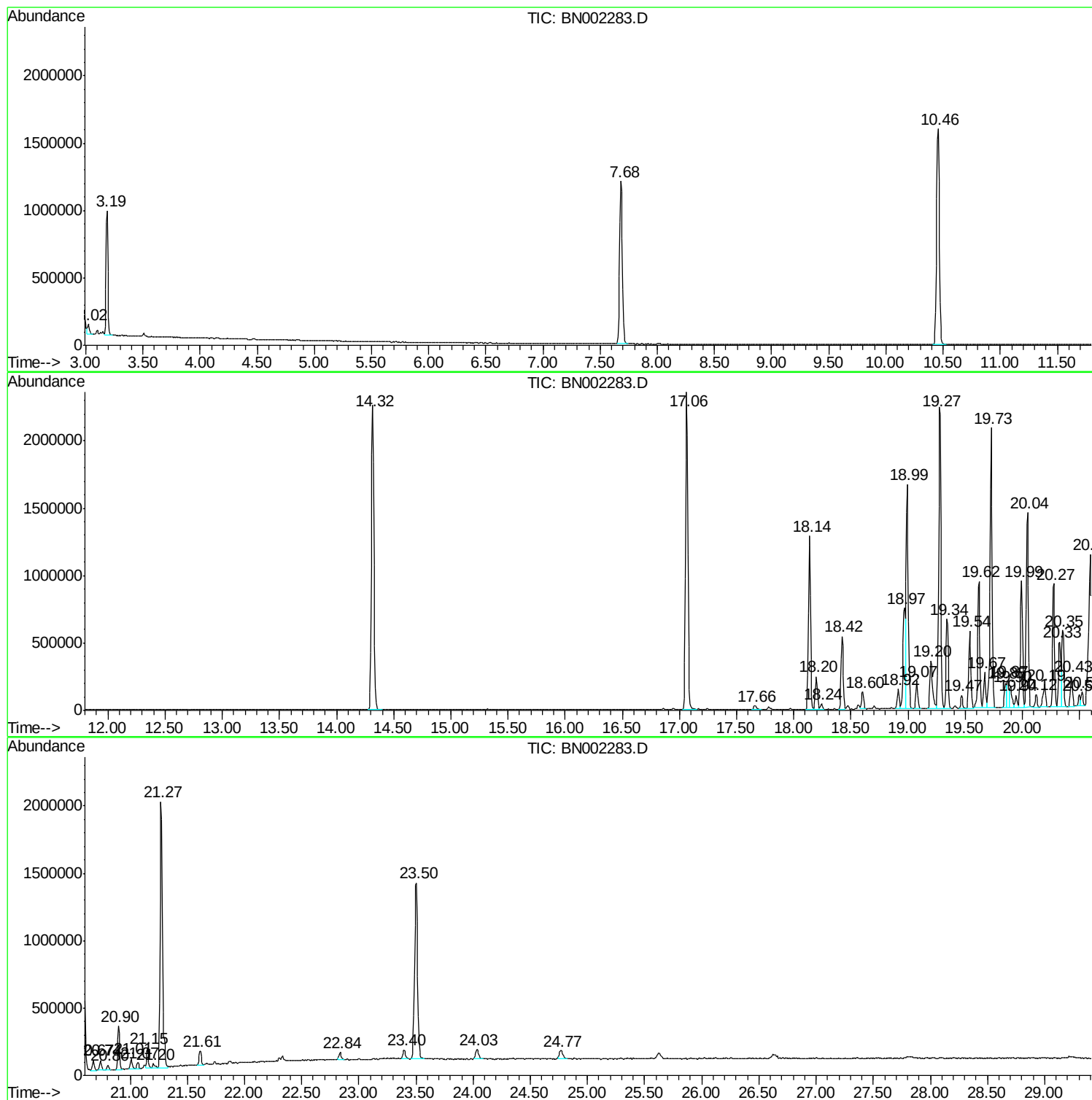
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Quant Title : SVOA CALIBRATION

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



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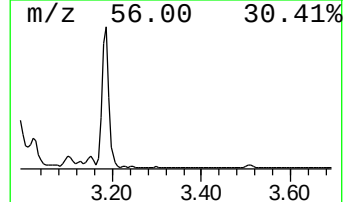
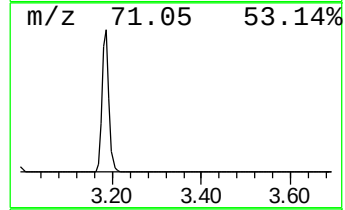
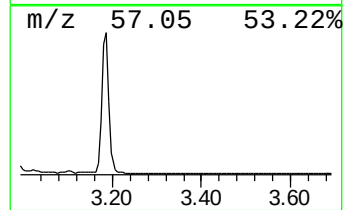
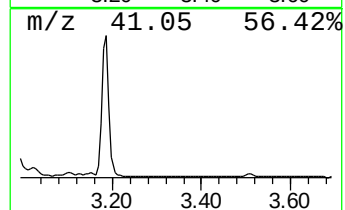
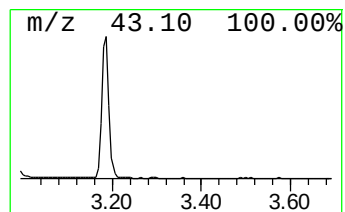
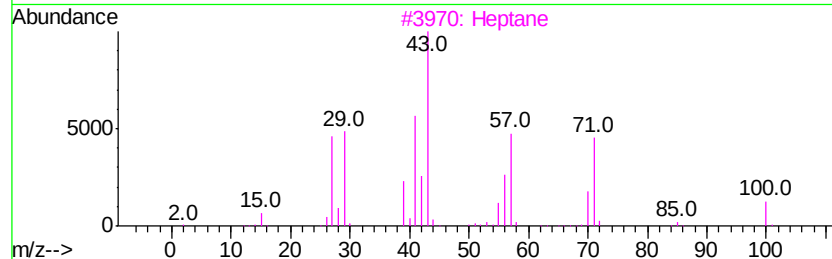
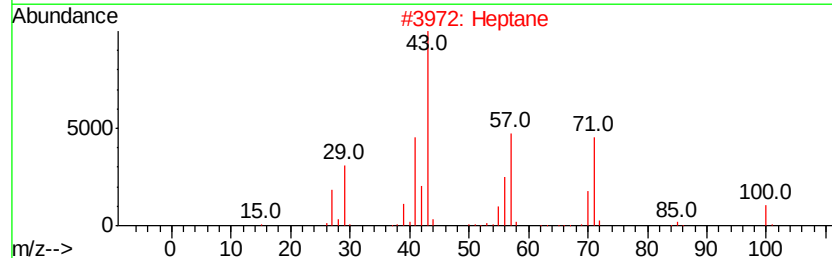
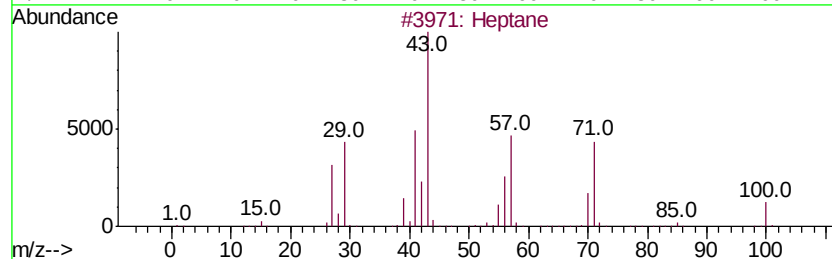
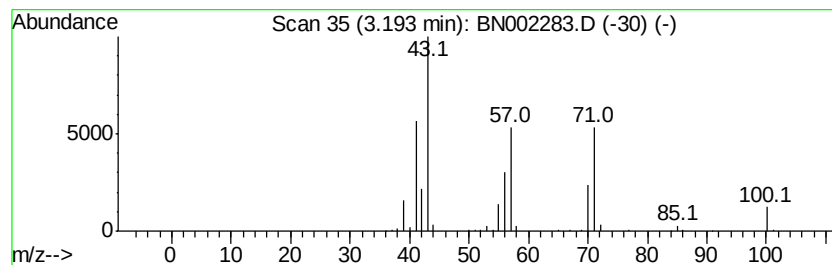
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Quant Title : SVOA CALIBRATION

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

Peak Number 1 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.33 ng/ul	991636	1,4-Dichlorobenzene-d4	7.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane		100	C7H16	000142-82-5	94
2	Heptane		100	C7H16	000142-82-5	94
3	Heptane		100	C7H16	000142-82-5	91
4	Heptane		100	C7H16	000142-82-5	87
5	Hexane, 3-methyl-		100	C7H16	000589-34-4	45



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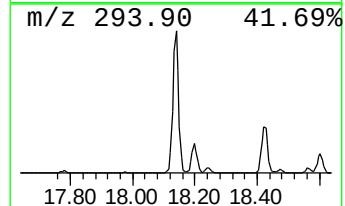
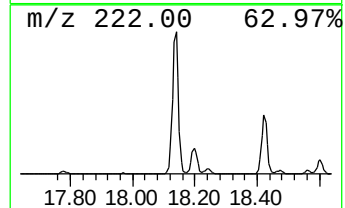
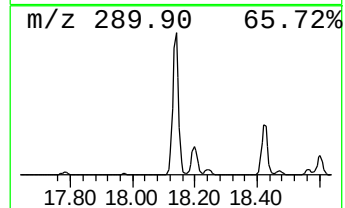
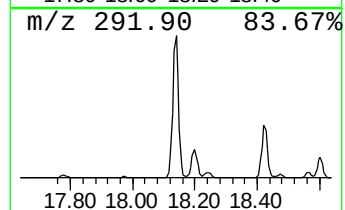
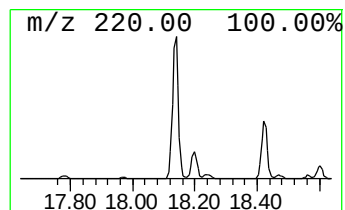
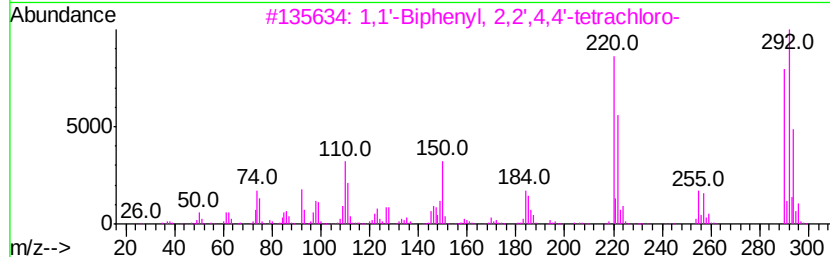
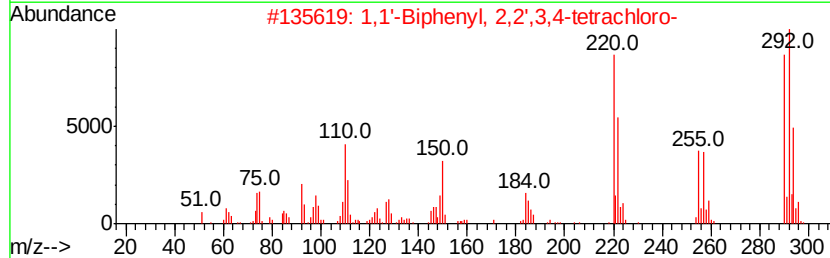
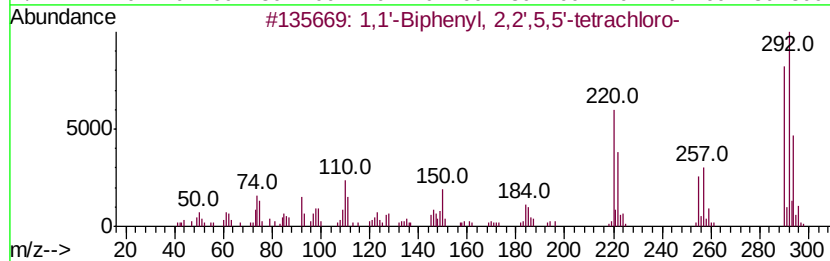
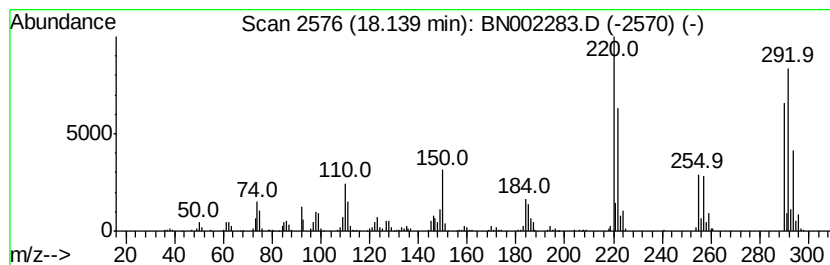
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	10.19 ng/ul	1712550	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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99



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ALS Vial : 25 Sample Multiplier: 1

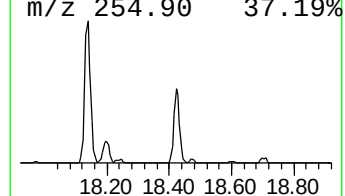
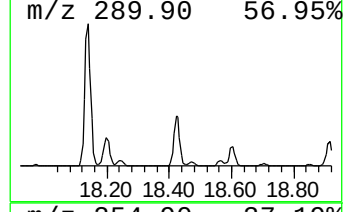
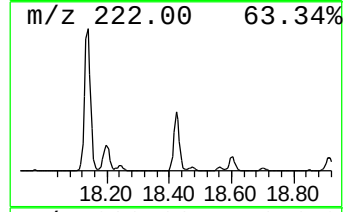
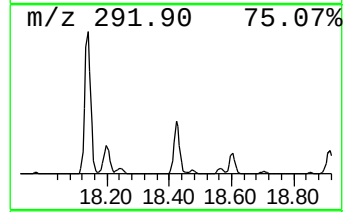
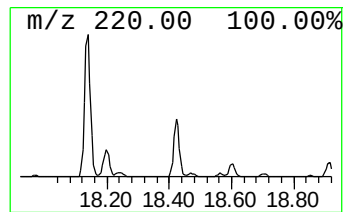
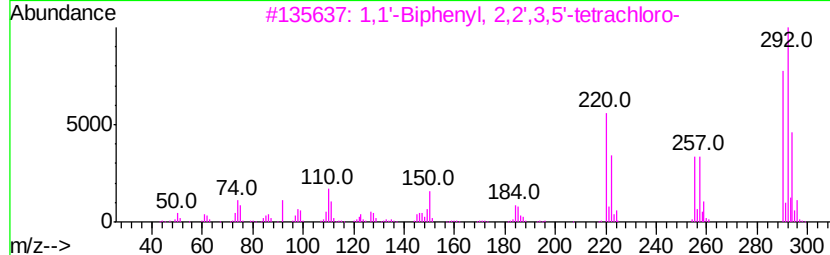
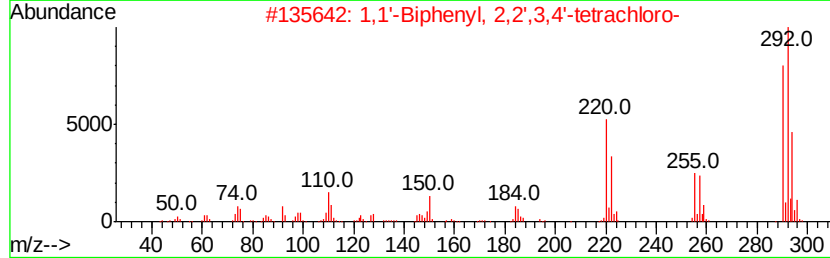
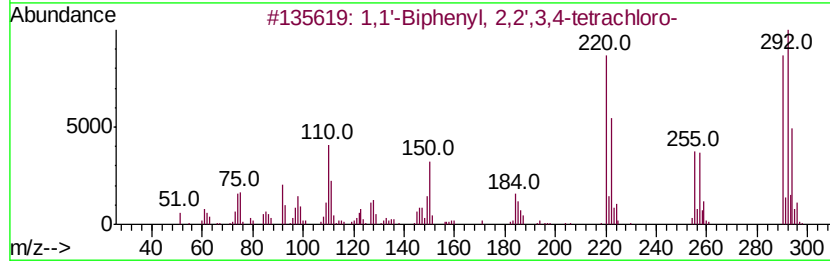
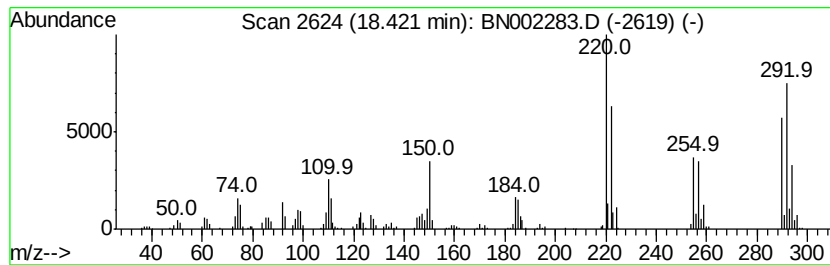
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.42	4.03 ng/ul	677936	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',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
3	1,1'	-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
4	1,1'	-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	2,2',4,6'	-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99



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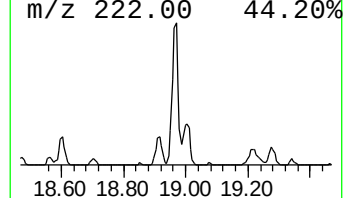
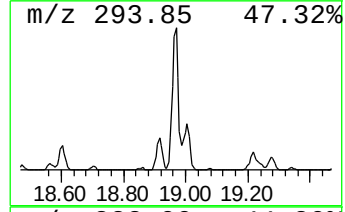
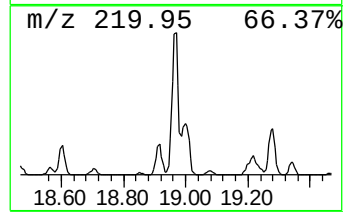
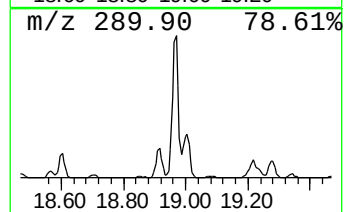
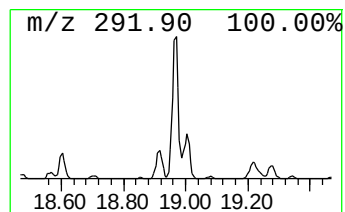
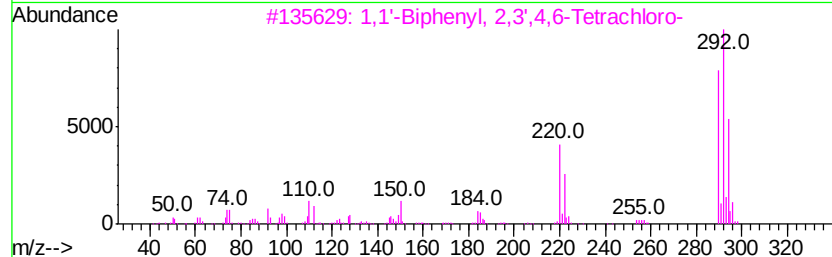
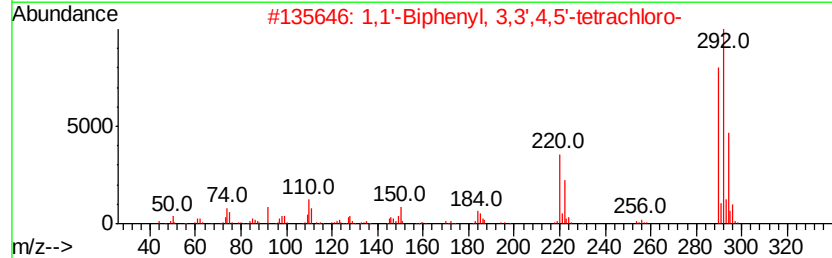
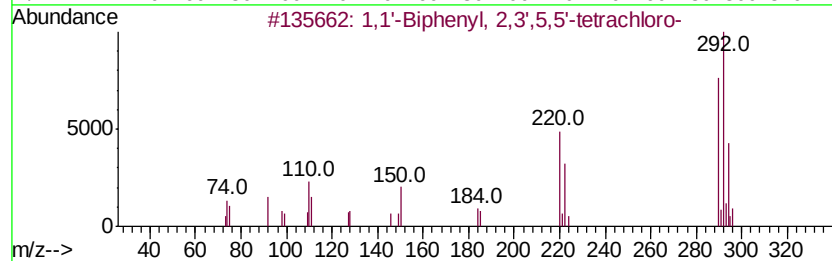
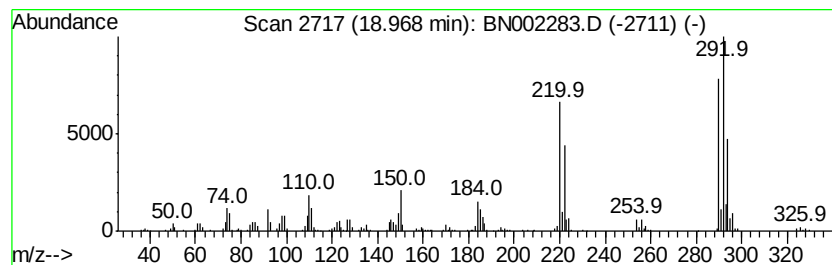
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Peak Number 4 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.97	6.18 ng/ul	1038870	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
5	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99



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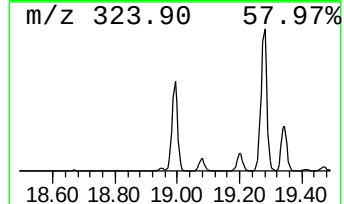
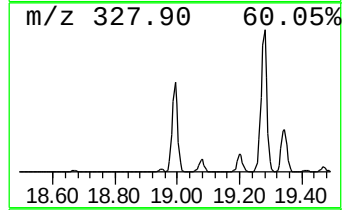
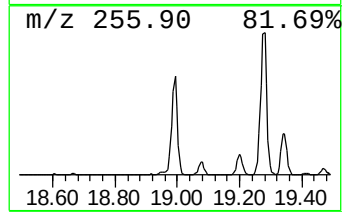
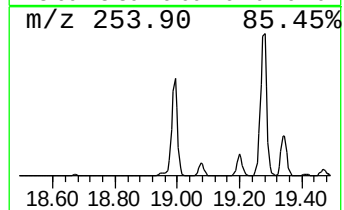
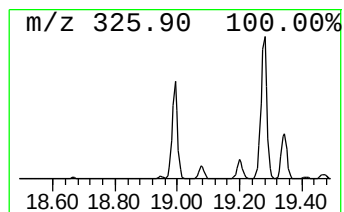
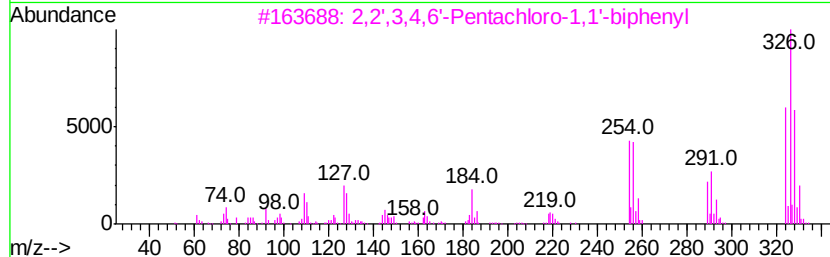
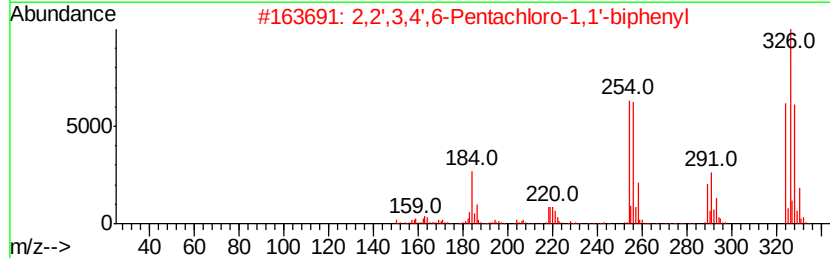
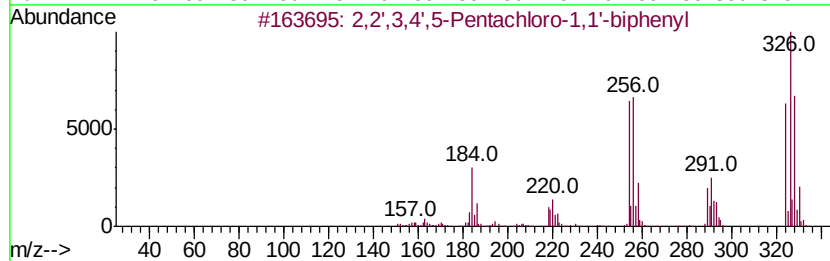
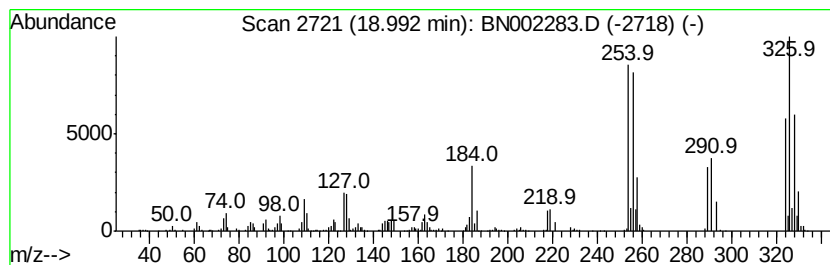
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	13.27 ng/ul	2229160	Phenanthrene-d10	17.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
2		2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99
3		2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
4		1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

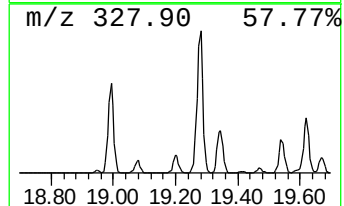
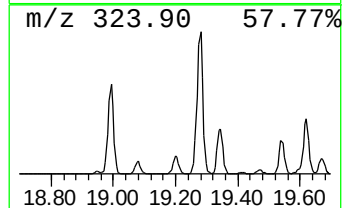
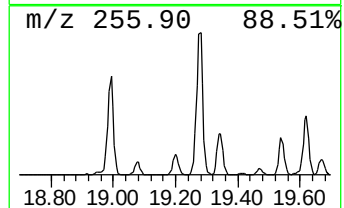
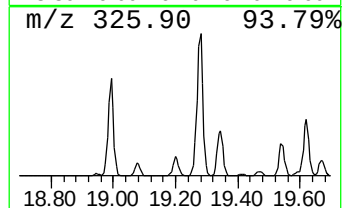
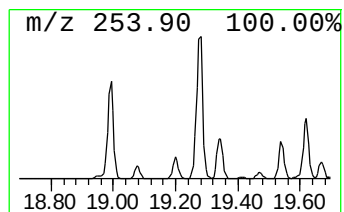
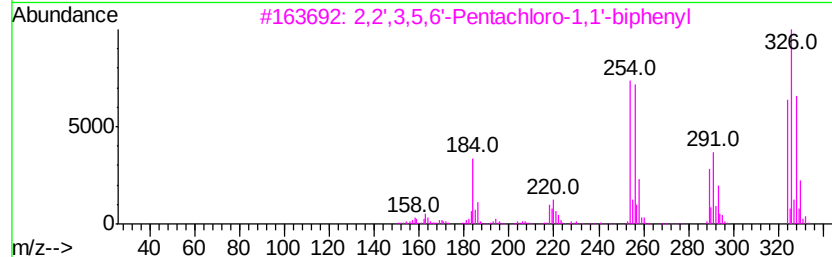
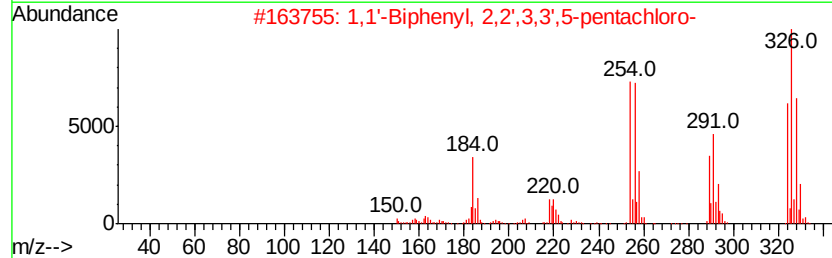
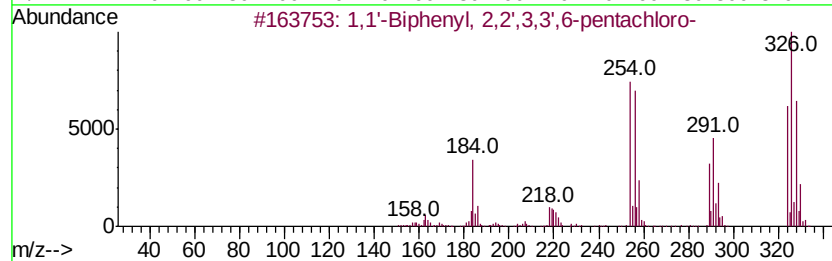
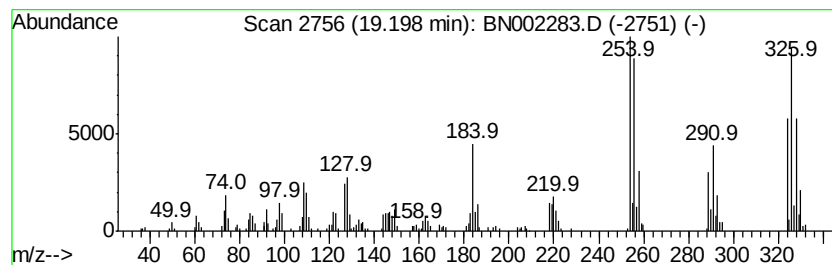
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.20	3.99 ng/ul	556176	Chrysene-d12	21.27		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'	-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
3	2,2',3,5,6'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99
4	1,1'	-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

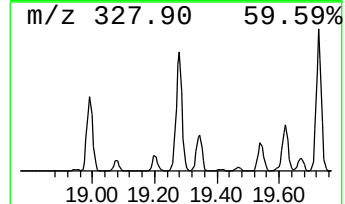
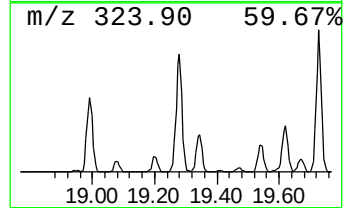
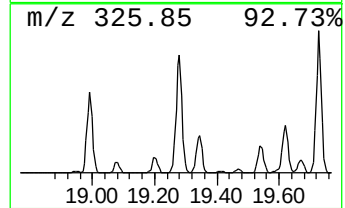
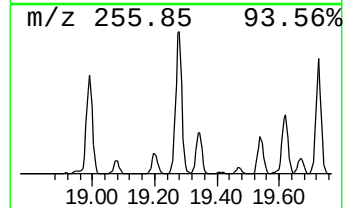
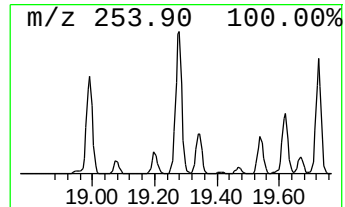
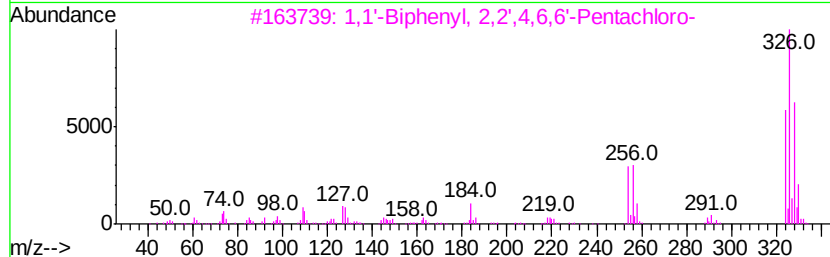
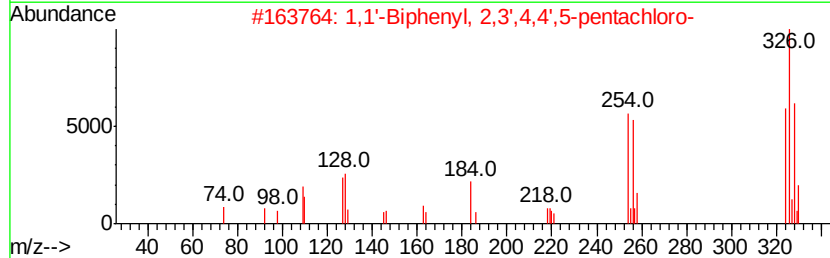
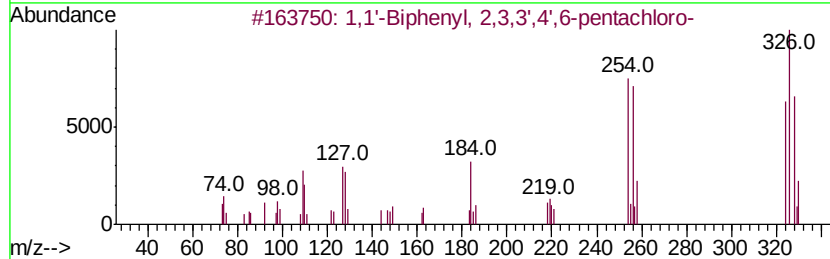
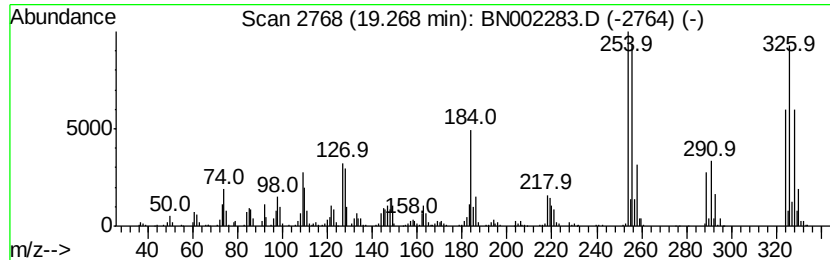
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.27	22.65 ng/ul	3158590	Chrysene-d12	21.27		
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	1,1'	-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4	2,3,3',4,5'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

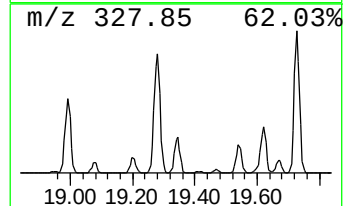
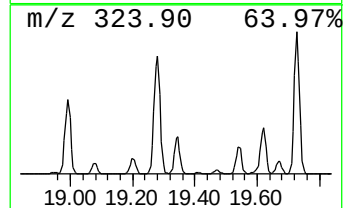
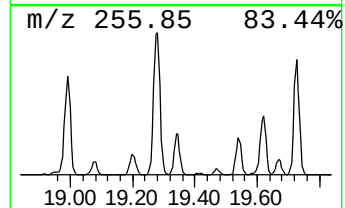
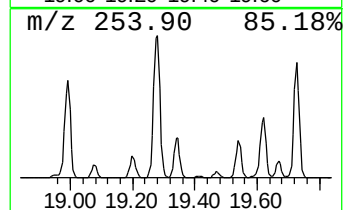
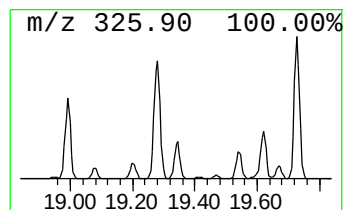
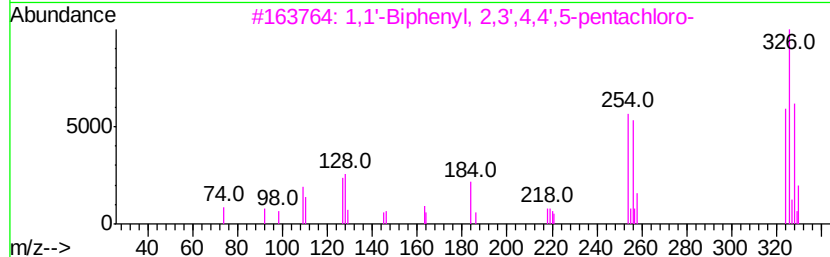
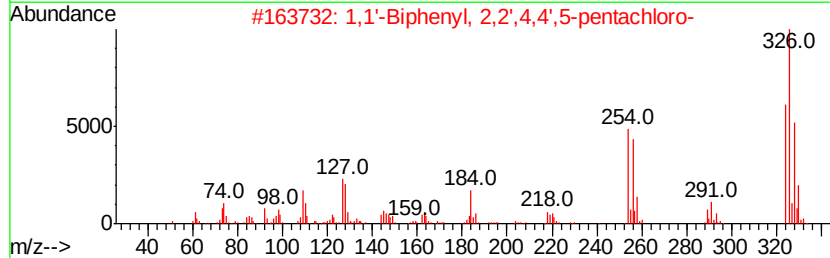
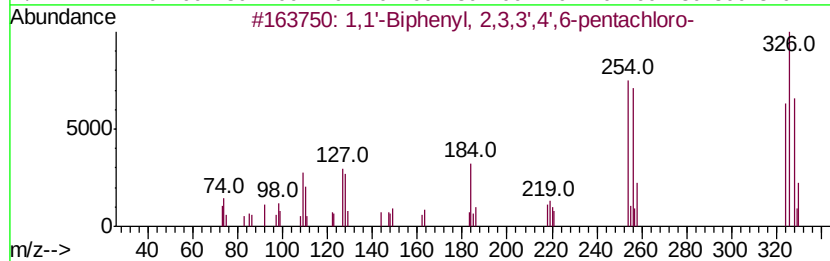
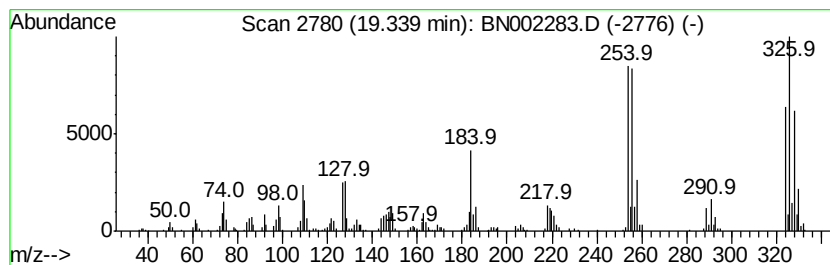
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.			
19.34	5.94 ng/ul	828740	Chrysene-d12	21.27			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'	-Biphenyl,	2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'	-Biphenyl,	2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'	-Biphenyl,	2,3,3',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 N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampled :
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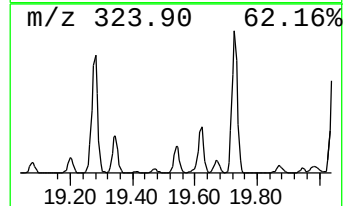
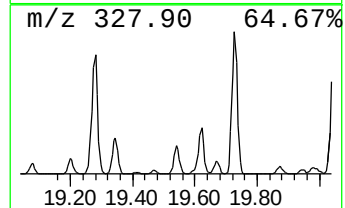
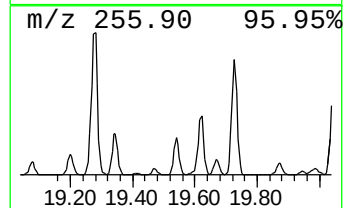
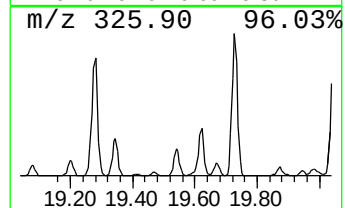
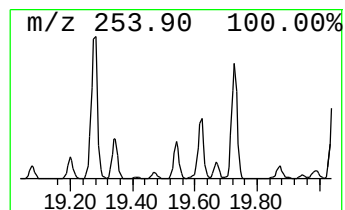
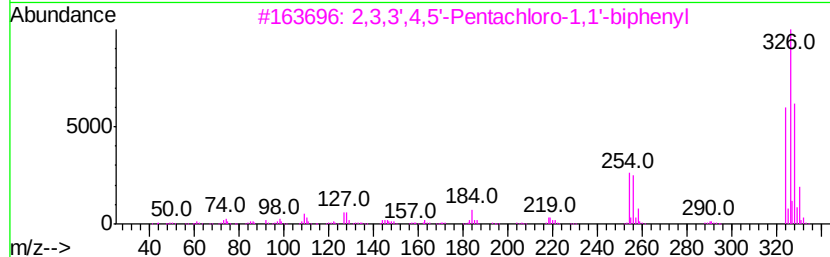
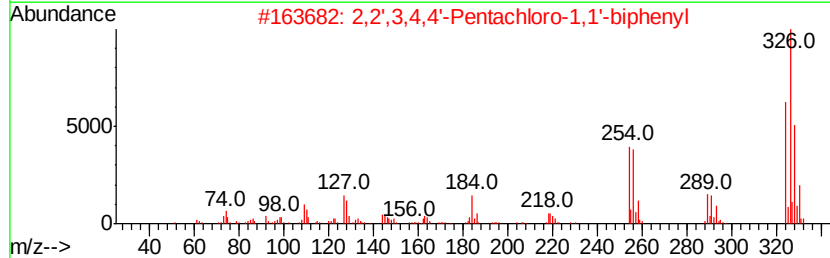
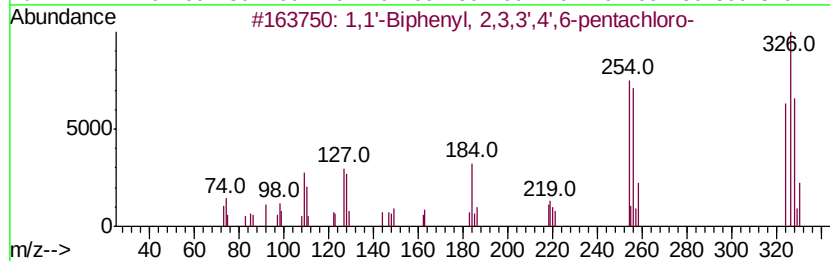
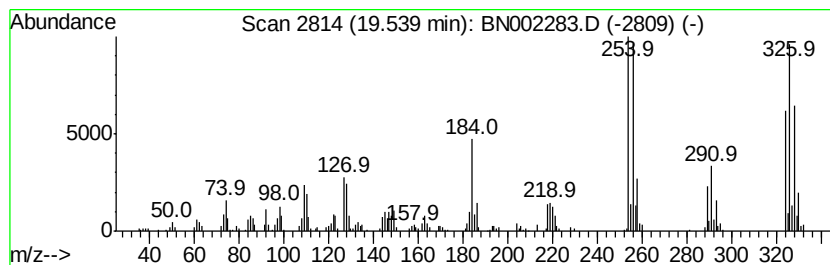
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	5.10 ng/ul	711020	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	2,2',3,4,4'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99
3	2,3,3',4,5'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4	2,2',3,6,6'	-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	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\BN080918\
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Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

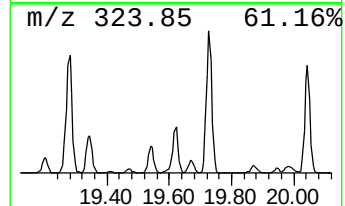
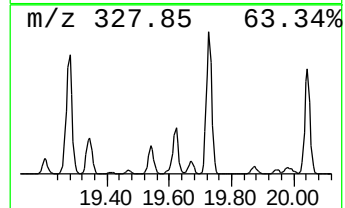
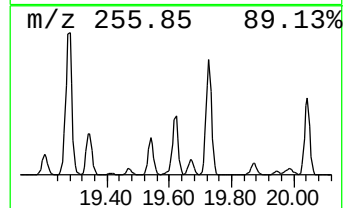
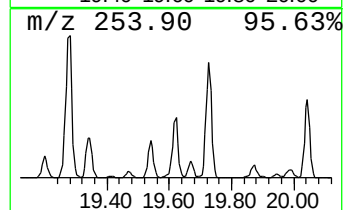
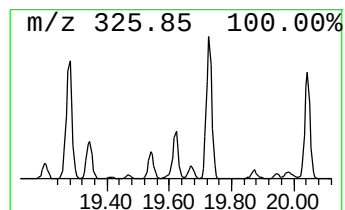
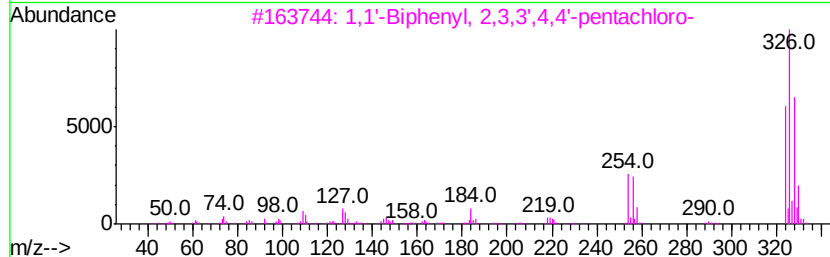
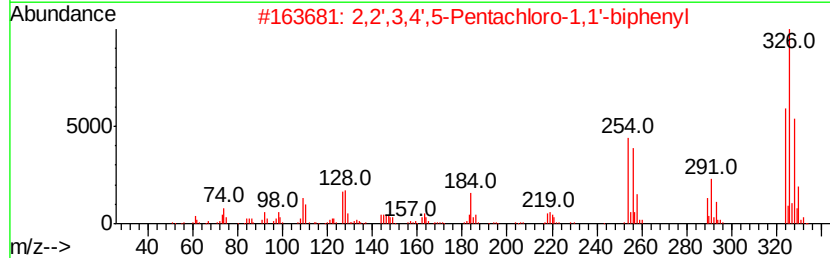
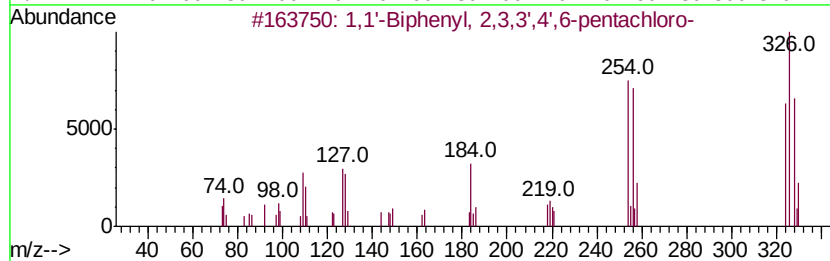
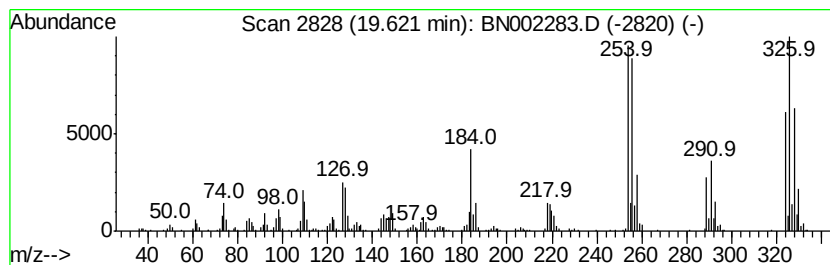
Instrument :
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ClientSampled :
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.62	8.86 ng/ul	1235780	Chrysene-d12	21.27		
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	2,2',3,4',5-Pentachloro-1,1'-bip...		324	C12H5Cl5	068194-07-0	99
3	1,1'	-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	3,3',4,4',5-Pentachloro-1,1'-bi...		324	C12H5Cl5	057465-28-8	99
5	1,1'	-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\
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Acq On : 10 Aug 2018 10:11
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Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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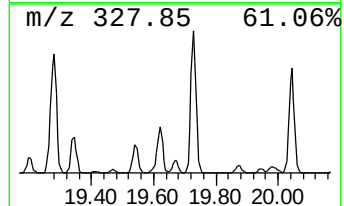
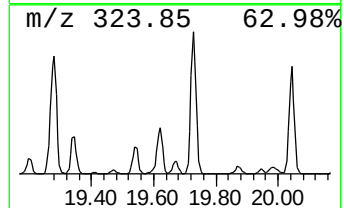
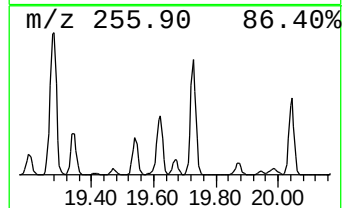
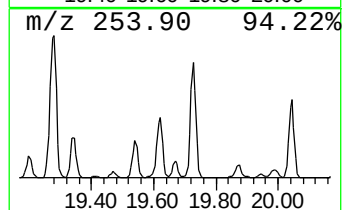
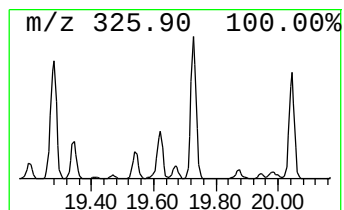
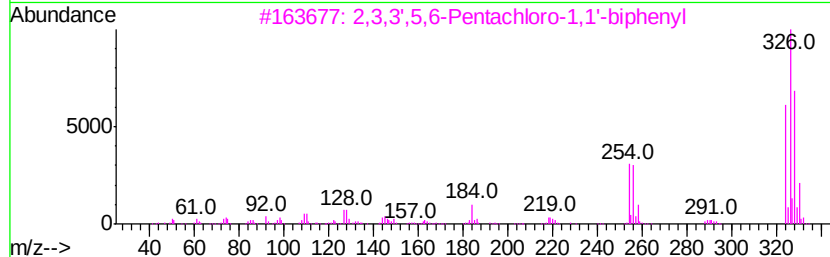
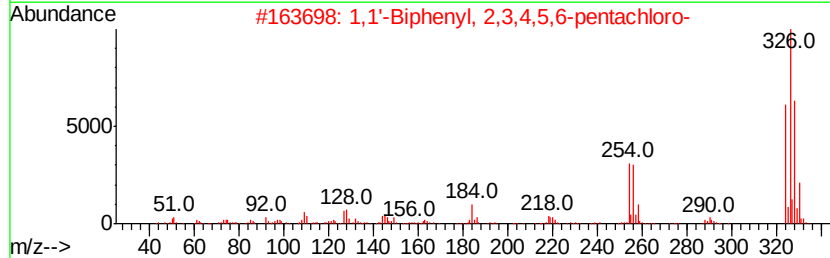
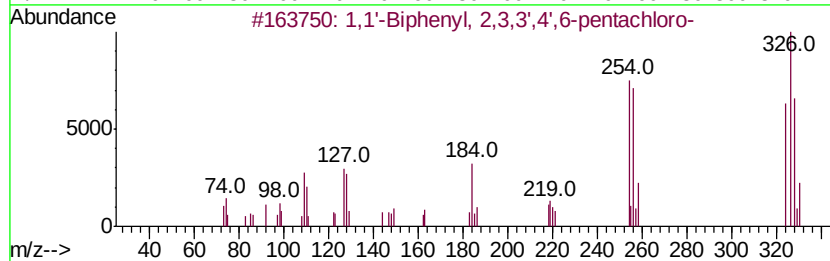
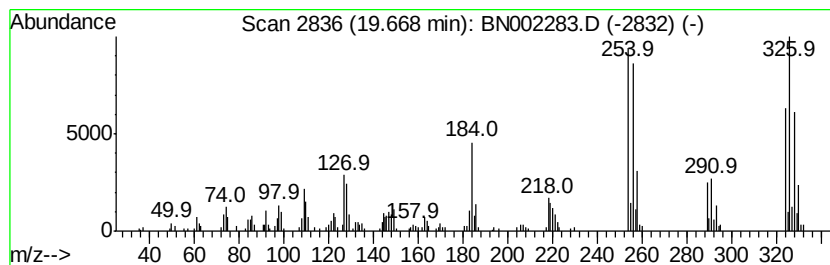
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,4,5,6-pe... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.24 ng/ul	313004	Chrysene-d12	21.27

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, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	99
3		2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99
4		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
5		2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AF5

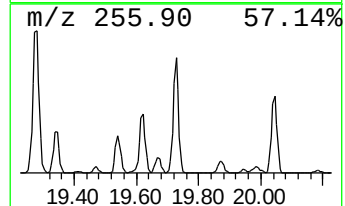
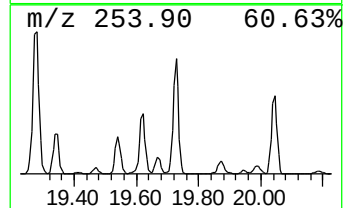
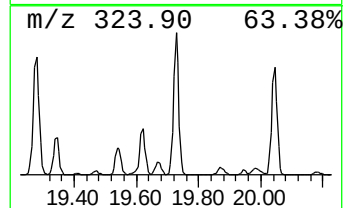
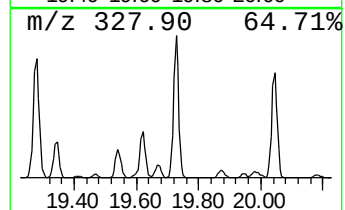
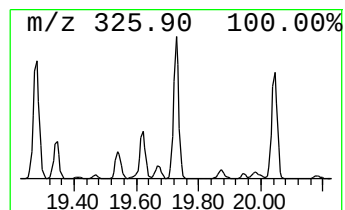
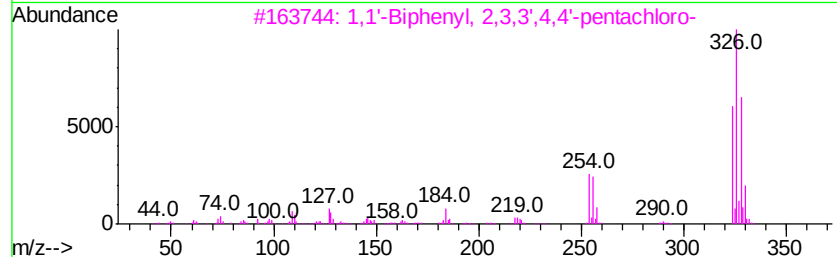
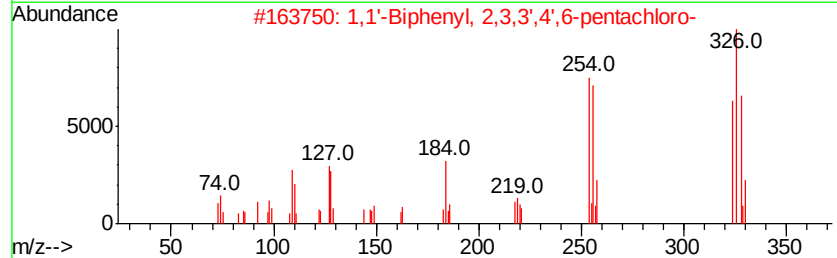
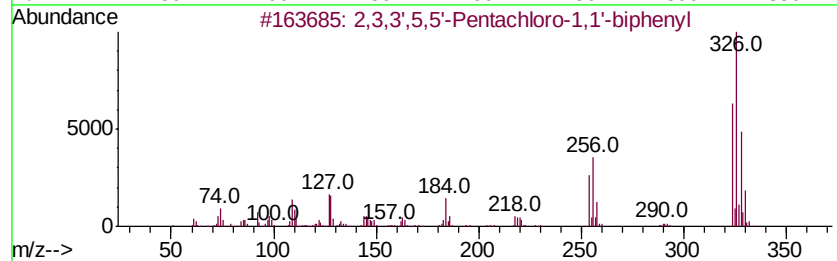
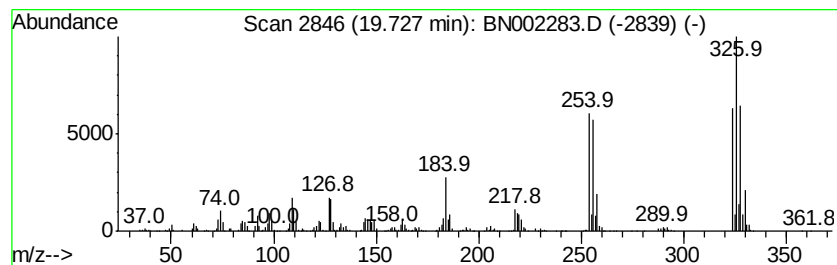
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	19.10 ng/ul	2663220	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

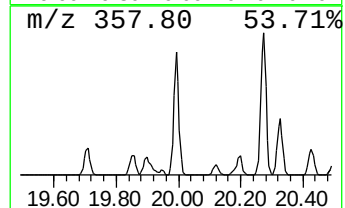
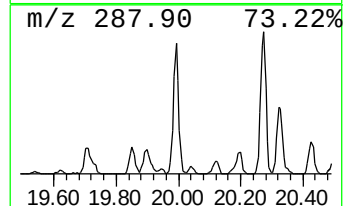
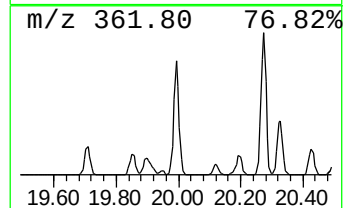
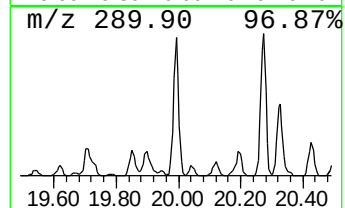
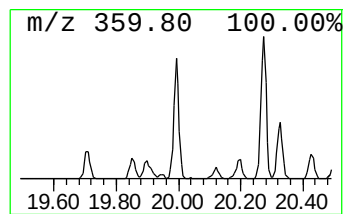
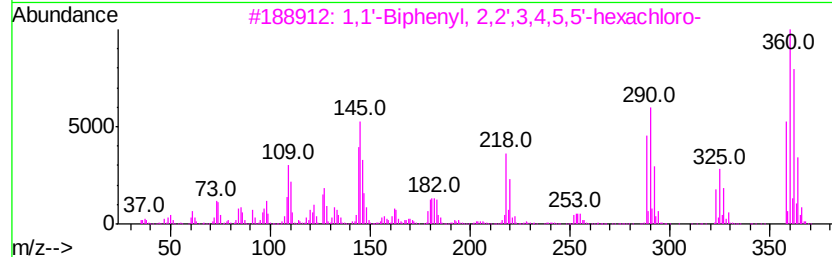
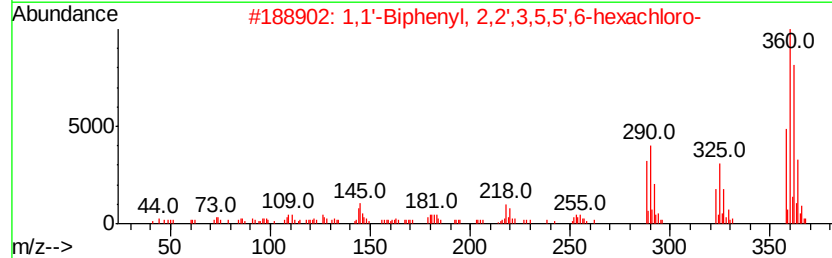
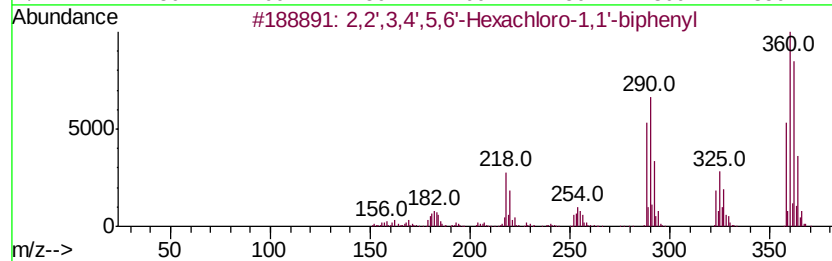
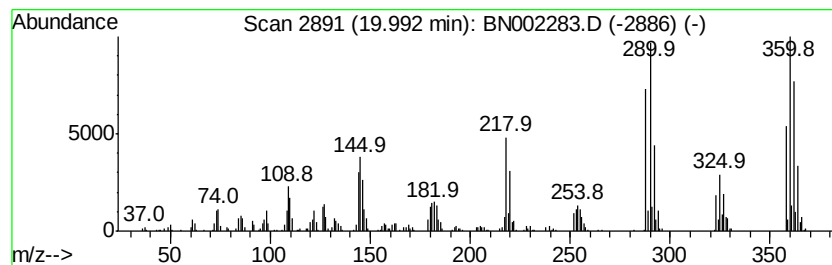
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 2,2',3,4',5,6'-Hexachloro-1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.99	8.52 ng/ul	1188080	Chrysene-d12	21.27	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
2	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AF5

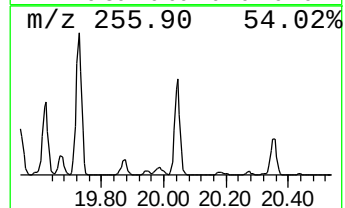
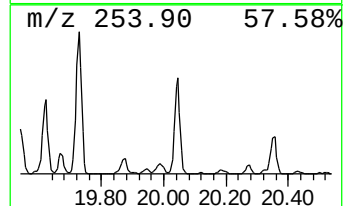
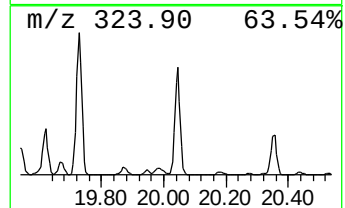
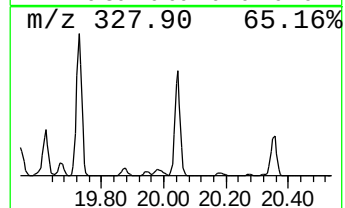
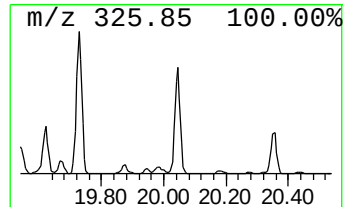
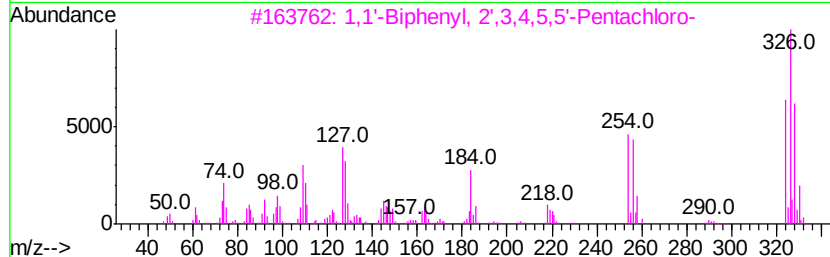
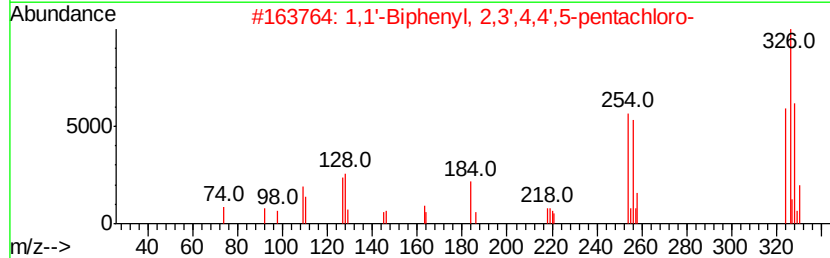
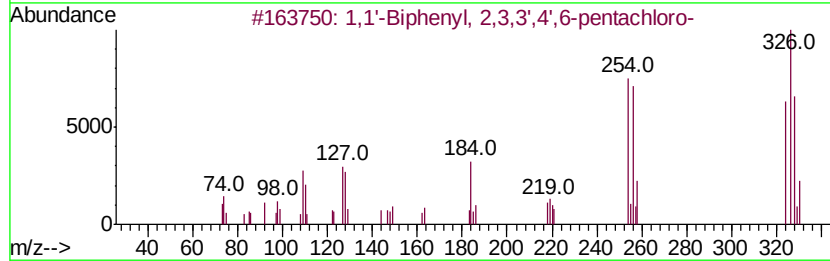
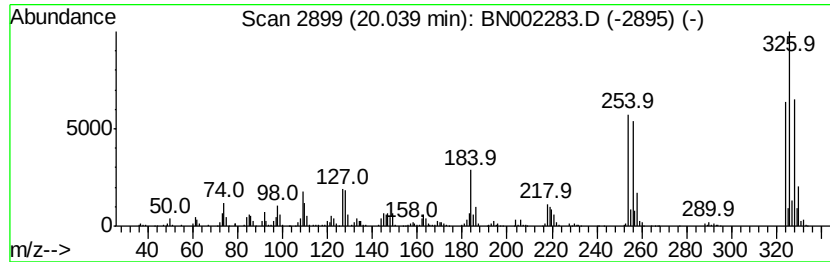
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	12.89 ng/ul	1798010	Chrysene-d12	21.27

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, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3		1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
4		1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	99
5		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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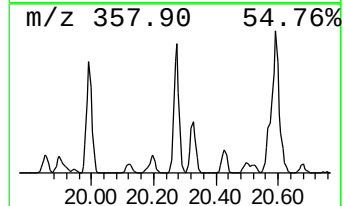
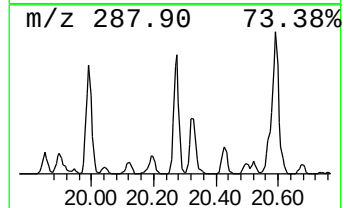
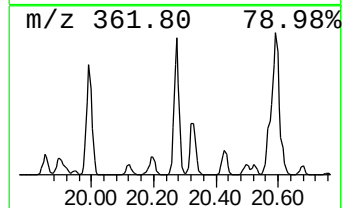
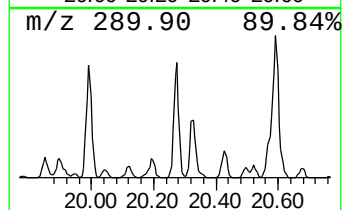
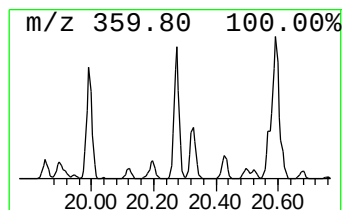
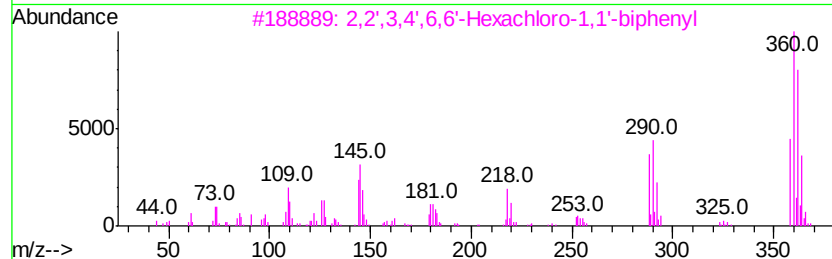
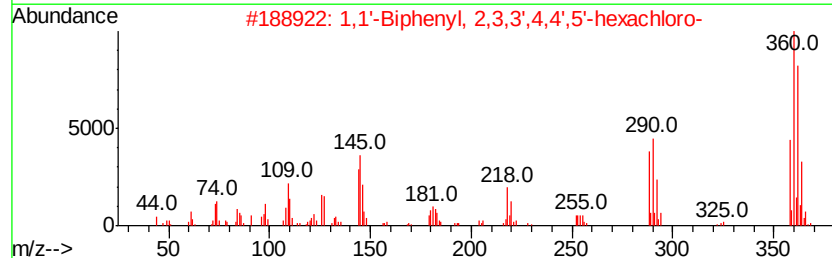
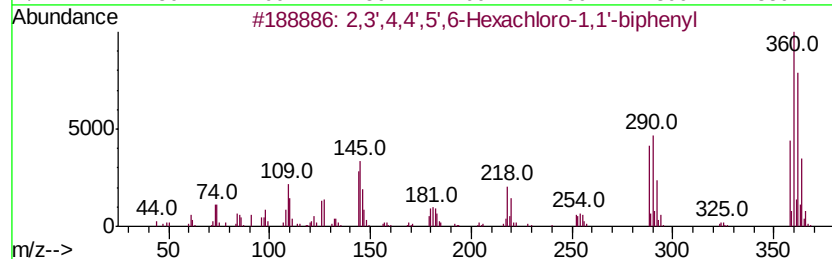
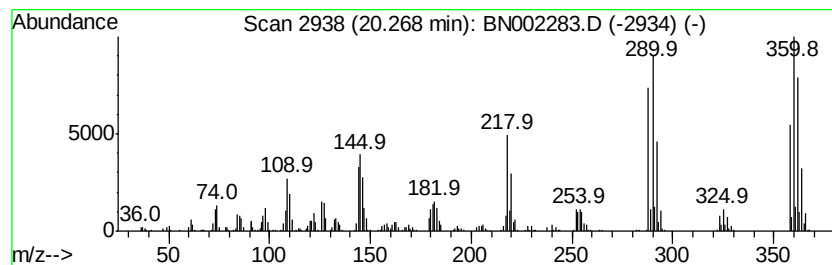
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	7.94 ng/ul	1108070	Chrysene-d12	21.27

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'-b...	358	C12H4Cl6	068194-08-1	99
4		2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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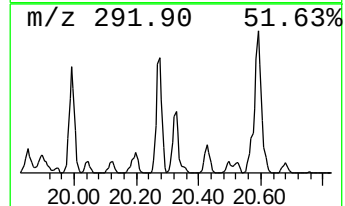
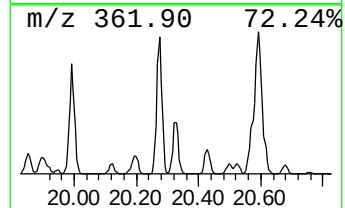
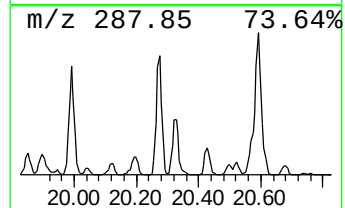
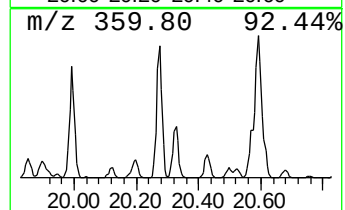
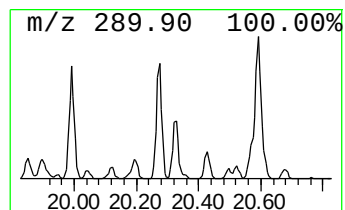
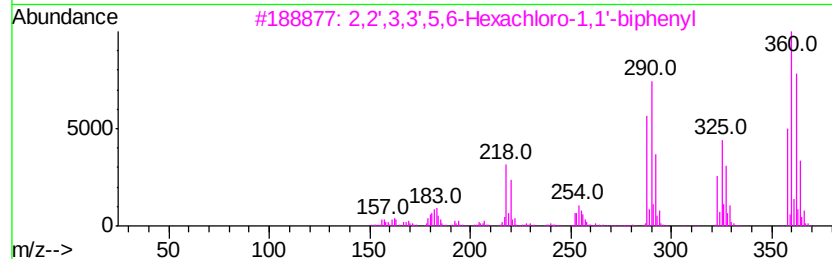
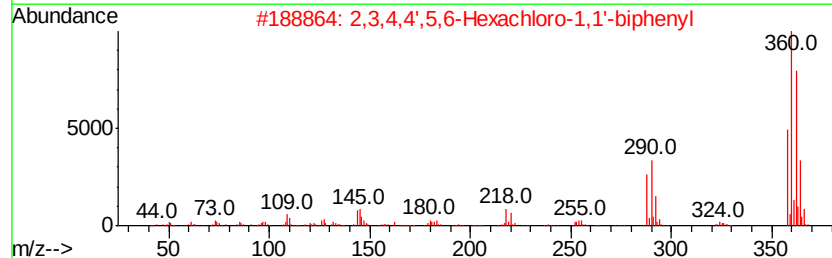
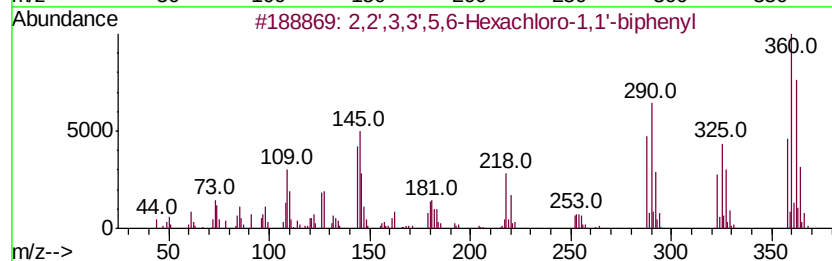
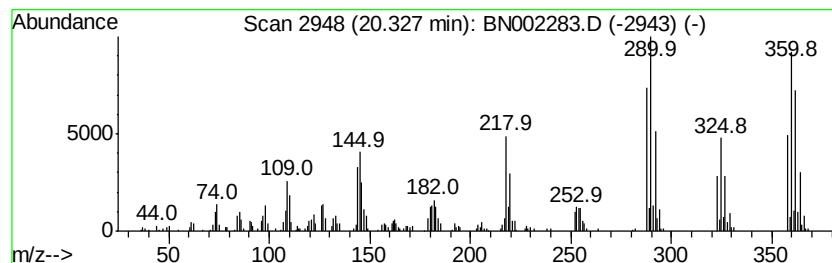
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	4.80 ng/ul	669571	Chrysene-d12	21.27

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		2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
3		2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
4		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
5		2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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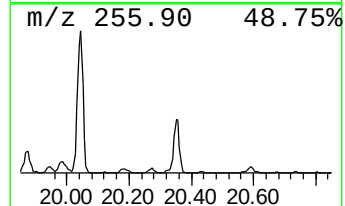
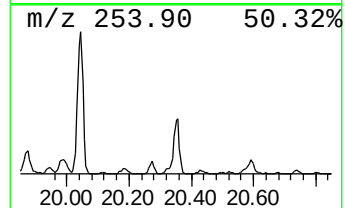
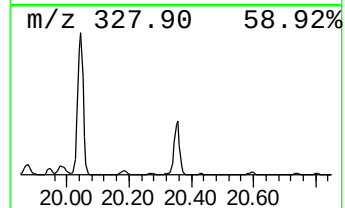
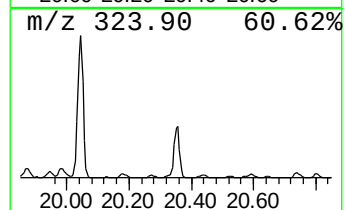
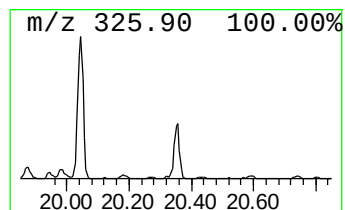
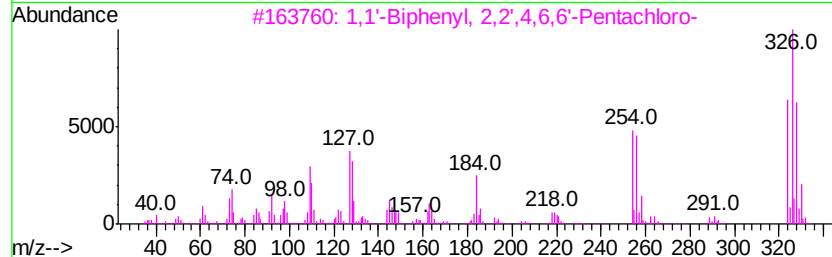
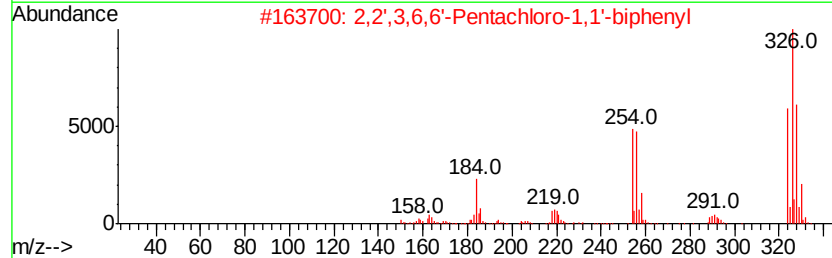
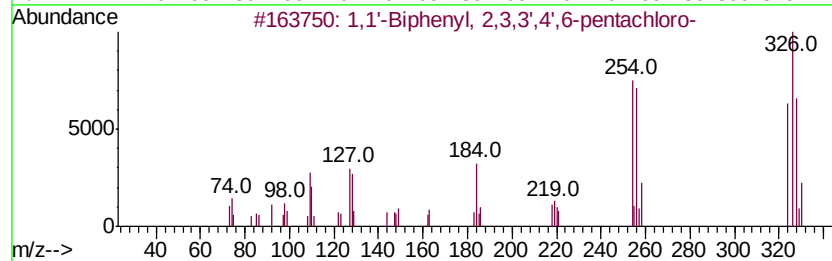
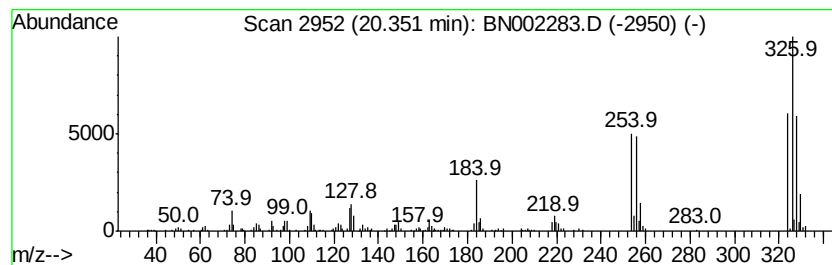
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	4.69 ng/ul	653516	Chrysene-d12	21.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95
2	2,2',3,6,6'	-Pentachloro-1,1'-bip...		324	C12H5Cl5	073575-54-9	94
3	1,1'-Biphenyl,	2,2',4,6,6'	-Penta...	324	C12H5Cl5	056558-16-8	94
4	1,1'-Biphenyl,	2,3',4,5',6-Penta...		324	C12H5Cl5	056558-18-0	94
5	1,1'-Biphenyl,	2,3,4',5,6-Pentac...		324	C12H5Cl5	068194-11-6	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

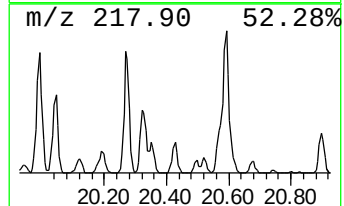
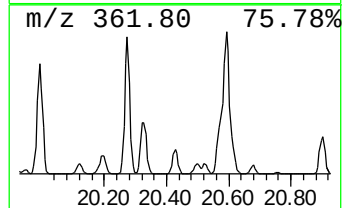
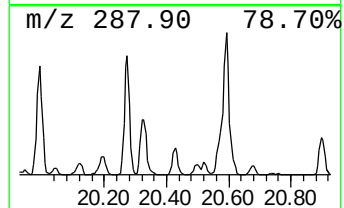
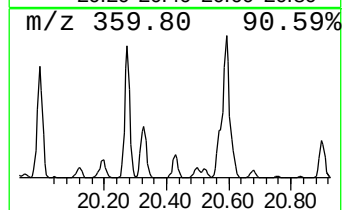
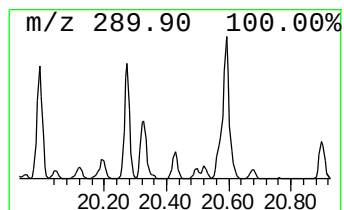
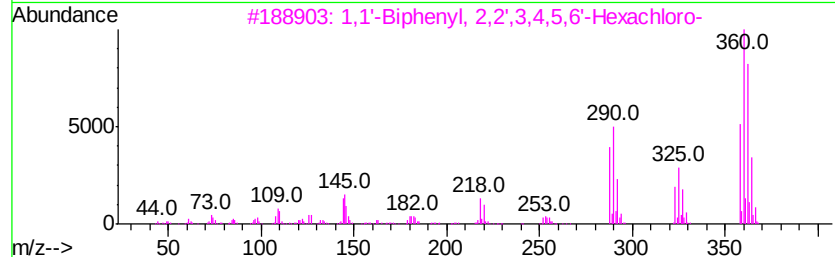
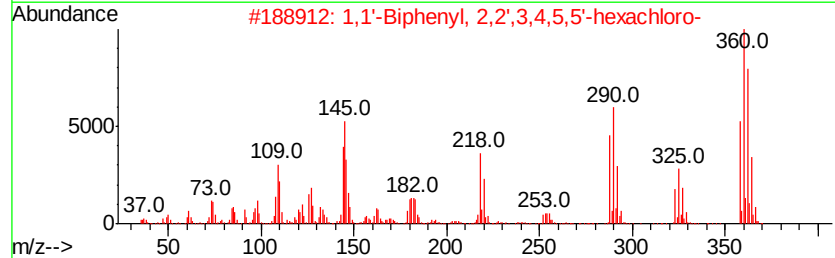
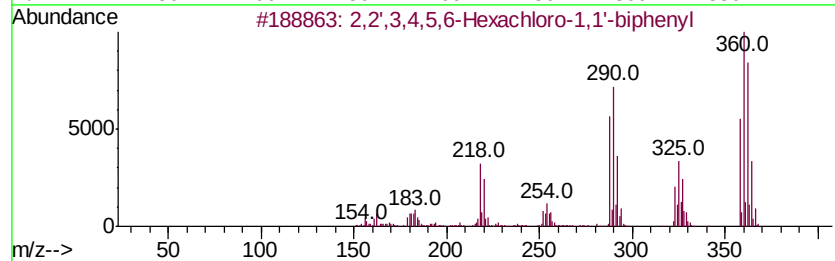
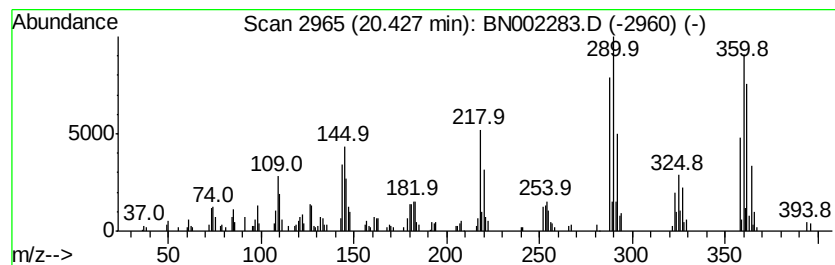
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.07 ng/ul	289379	Chrysene-d12	21.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358 C12H4Cl6	041411-61-4	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358 C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358 C12H4Cl6	068194-15-0	99
4	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358 C12H4Cl6	074472-44-9	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\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AF5

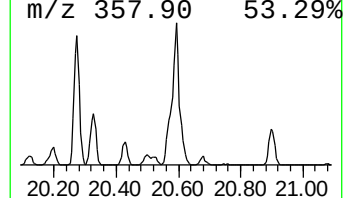
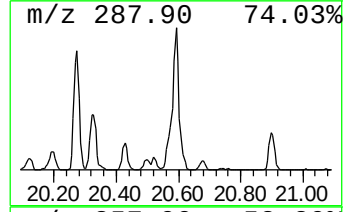
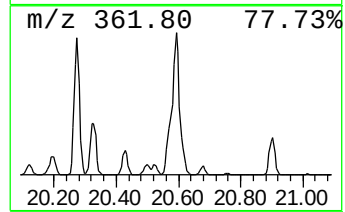
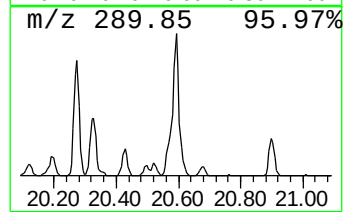
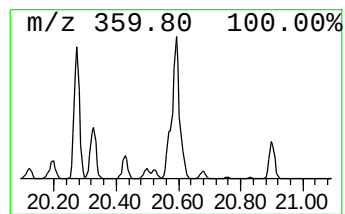
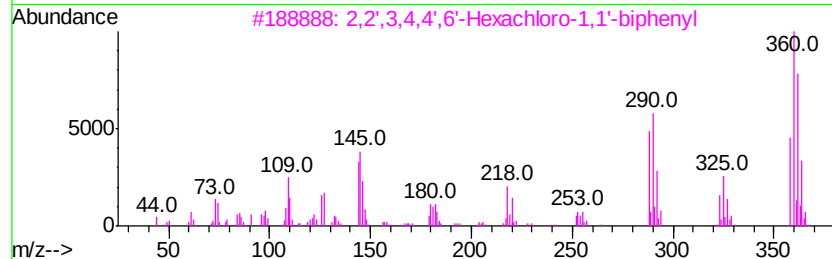
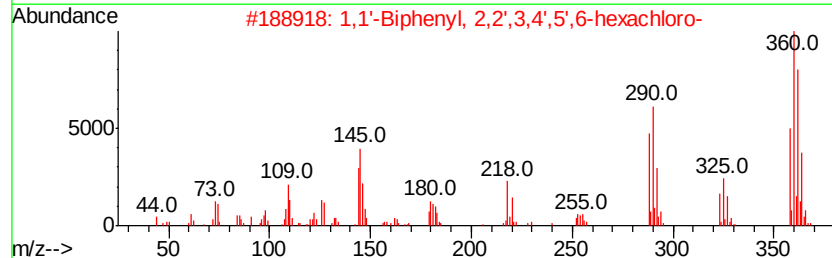
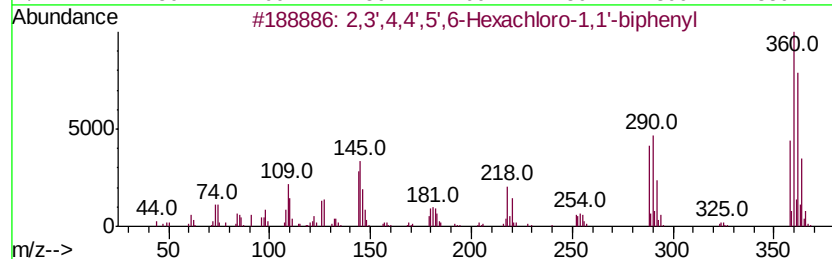
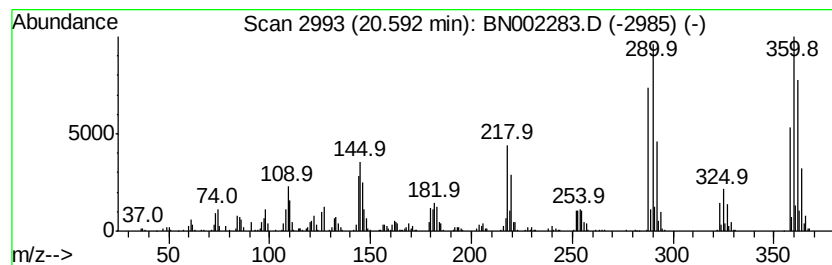
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	13.18 ng/ul	1838030	Chrysene-d12	21.27

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	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99		
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99		
4	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99		
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080918\
Data File : BN002283.D
Acq On : 10 Aug 2018 10:11
Operator : JU/SJ
Sample : J4301-16
Misc : for GCMS confirmation
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AF5

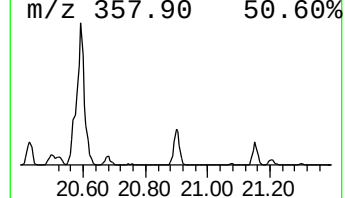
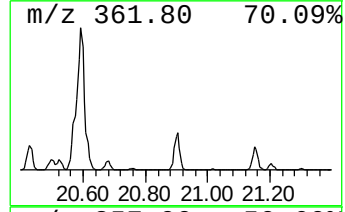
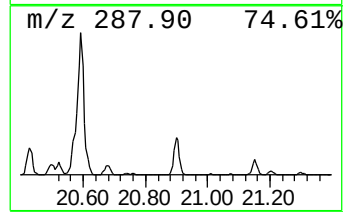
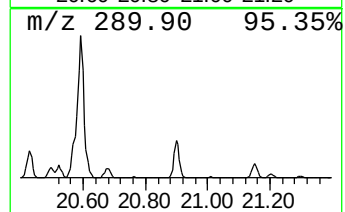
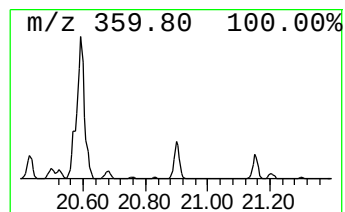
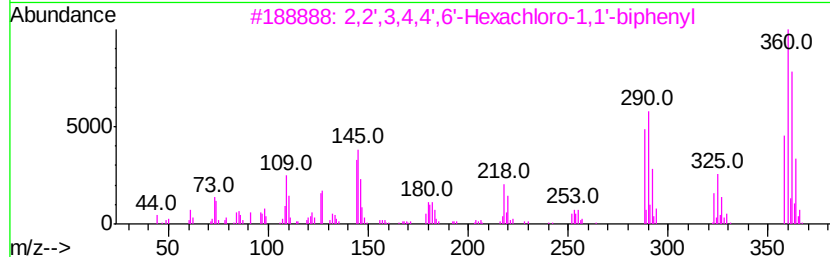
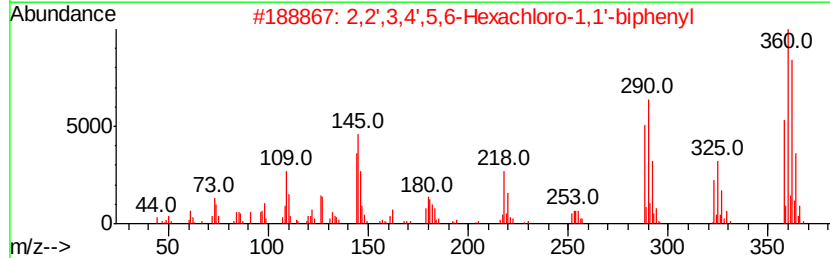
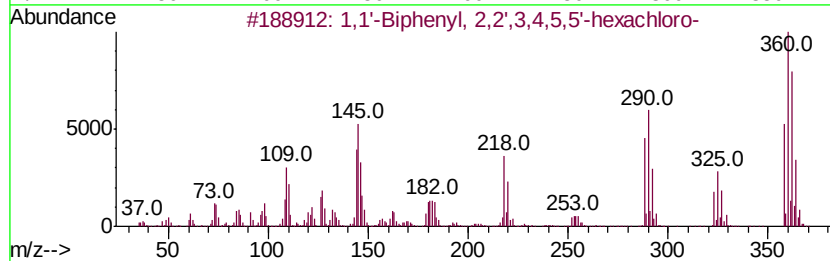
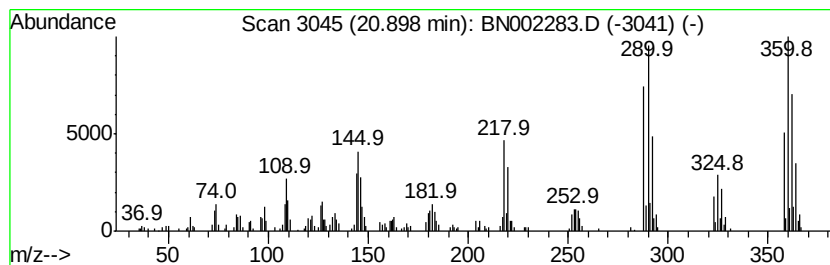
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.77 ng/ul	386779	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2		2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
3		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
4		1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
5		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080918\
 Data File : BN002283.D
 Acq On : 10 Aug 2018 10:11
 Operator : JU/SJ
 Sample : J4301-16
 Misc : for GCMS confirmation
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AF5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.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
Heptane	3.19	10.3	ng/ul	991636	1	7.68	1920280	20.0
1,1'-Biphenyl, 2,...	18.14	10.2	ng/ul	1712550	4	17.06	3360540	20.0
1,1'-Biphenyl, 2,...	18.42	4.0	ng/ul	677936	4	17.06	3360540	20.0
1,1'-Biphenyl, 2,...	18.97	6.2	ng/ul	1038870	4	17.06	3360540	20.0
2,2',3,4',5-Penta...	18.99	13.3	ng/ul	2229160	4	17.06	3360540	20.0
1,1'-Biphenyl, 2,...	19.20	4.0	ng/ul	556176	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	19.27	22.6	ng/ul	3158590	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	19.34	5.9	ng/ul	828740	5	21.27	2789430	20.0
unknown-01	19.54	5.1	ng/ul	711020	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	19.62	8.9	ng/ul	1235780	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	19.67	2.2	ng/ul	313004	5	21.27	2789430	20.0
2,3,3',5,5'-Penta...	19.73	19.1	ng/ul	2663220	5	21.27	2789430	20.0
2,2',3,4',5,6'-He...	19.99	8.5	ng/ul	1188080	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	20.04	12.9	ng/ul	1798010	5	21.27	2789430	20.0
2,3',4,4',5',6-He...	20.27	7.9	ng/ul	1108070	5	21.27	2789430	20.0
2,2',3,3',5,6-Hex...	20.33	4.8	ng/ul	669571	5	21.27	2789430	20.0
unknown-02	20.35	4.7	ng/ul	653516	5	21.27	2789430	20.0
2,2',3,4,5,6-Hexa...	20.43	2.1	ng/ul	289379	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	20.59	13.2	ng/ul	1838030	5	21.27	2789430	20.0
1,1'-Biphenyl, 2,...	20.90	2.8	ng/ul	386779	5	21.27	2789430	20.0