

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
 Data File : BG018311.D
 Acq On : 7 Aug 2015 16:00
 Operator : UM/TP
 Sample : G3030-20REDL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.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	3.222	89	91	93	rVB3	3970	2752	0.55%	0.034%
2	3.933	211	212	216	rBV2	3448	3185	0.64%	0.039%
3	4.003	221	224	225	rBV	1966	2287	0.46%	0.028%
4	4.285	270	272	275	rBV2	2310	3015	0.60%	0.037%
5	5.055	401	403	407	rVB2	4151	4012	0.80%	0.049%
6	5.425	462	466	470	rBV3	3490	5089	1.02%	0.062%
7	6.495	646	648	655	rVB4	3700	6297	1.26%	0.077%
8	6.553	655	658	659	rBV4	2306	2021	0.40%	0.025%
9	6.636	665	672	678	rVB5	18325	36081	7.23%	0.440%
10	6.759	688	693	698	rBV	10073	15830	3.17%	0.193%
11	6.953	721	726	730	rBV2	19981	27188	5.44%	0.331%
12	7.065	739	745	750	rBV	16179	23785	4.76%	0.290%
13	7.300	779	785	788	rBV2	3427	4640	0.93%	0.057%
14	7.411	798	804	812	rVB	100254	154002	30.84%	1.877%
15	7.529	819	824	828	rBV2	6328	9765	1.96%	0.119%
16	7.776	863	866	871	rVB3	3013	3634	0.73%	0.044%
17	7.946	890	895	900	rBV	2391	3769	0.75%	0.046%
18	8.052	909	913	917	rBV3	3486	4756	0.95%	0.058%
19	8.157	927	931	937	rBV2	17793	28522	5.71%	0.348%
20	8.516	988	992	995	rBV	1991	3193	0.64%	0.039%
21	8.575	995	1002	1009	rVV	16062	27634	5.53%	0.337%
22	8.645	1011	1014	1017	rVV	2455	3020	0.60%	0.037%
23	8.768	1033	1035	1038	rVB	2622	2668	0.53%	0.033%
24	9.097	1087	1091	1093	rVB3	2664	2787	0.56%	0.034%
25	9.297	1119	1125	1131	rVB4	15371	25024	5.01%	0.305%
26	9.603	1176	1177	1181	rVB2	2250	2242	0.45%	0.027%
27	9.844	1212	1218	1224	rBV4	21572	33464	6.70%	0.408%
28	9.908	1226	1229	1232	rBV	1838	2277	0.46%	0.028%
29	10.067	1253	1256	1257	rBV	2707	2409	0.48%	0.029%
30	10.196	1272	1278	1284	rBV	131697	211786	42.41%	2.581%
31	10.349	1301	1304	1311	rVB5	7420	13240	2.65%	0.161%
32	10.584	1342	1344	1349	rVB	2493	2915	0.58%	0.036%
33	10.748	1369	1372	1376	rVB	1670	2352	0.47%	0.029%
34	10.854	1388	1390	1393	rVB	2048	2239	0.45%	0.027%

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35	10.884	1393	1395	1399	rBV	1426	2154	0.43%	0.026%
36	11.882	1562	1565	1571	rVB	4704	6693	1.34%	0.082%
37	12.100	1599	1602	1607	rVB3	3623	5451	1.09%	0.066%
38	12.429	1655	1658	1659	rBV	1919	2187	0.44%	0.027%
39	12.441	1659	1660	1662	rVB	3775	2070	0.41%	0.025%
40	12.693	1699	1703	1708	rBV4	4348	7034	1.41%	0.086%
41	13.105	1768	1773	1774	rBV4	1774	2359	0.47%	0.029%
42	13.398	1820	1823	1824	rBV4	2069	2232	0.45%	0.027%
43	13.416	1824	1826	1830	rVB2	4256	5547	1.11%	0.068%
44	13.516	1838	1843	1847	rBV	44731	55141	11.04%	0.672%
45	13.563	1847	1851	1858	rVB	15938	25059	5.02%	0.305%
46	13.651	1862	1866	1868	rBV	2111	2956	0.59%	0.036%
47	13.792	1884	1890	1894	rVB	41112	53761	10.77%	0.655%
48	13.904	1907	1909	1911	rBV	1979	2288	0.46%	0.028%
49	14.103	1936	1943	1949	rBV	202986	311052	62.29%	3.791%
50	14.168	1949	1954	1957	rBV2	18981	25552	5.12%	0.311%
51	14.233	1964	1965	1970	rVB	2639	3795	0.76%	0.046%
52	14.315	1977	1979	1984	rVB	2794	2630	0.53%	0.032%
53	14.374	1987	1989	1995	rVV5	5646	7569	1.52%	0.092%
54	14.503	2007	2011	2018	rVB3	13800	20966	4.20%	0.256%
55	14.591	2023	2026	2028	rBV3	4242	4961	0.99%	0.060%
56	14.644	2030	2035	2038	rBV	3848	6273	1.26%	0.076%
57	14.885	2074	2076	2079	rBV3	2843	3397	0.68%	0.041%
58	15.102	2108	2113	2118	rBV2	47259	64566	12.93%	0.787%
59	15.155	2118	2122	2128	rVB	21339	31671	6.34%	0.386%
60	15.261	2136	2140	2143	rBV4	9881	14333	2.87%	0.175%
61	15.367	2154	2158	2163	rBV4	29217	40007	8.01%	0.488%
62	15.461	2168	2174	2177	rBV3	6997	11458	2.29%	0.140%
63	15.608	2194	2199	2200	rBV3	7850	10120	2.03%	0.123%
64	15.837	2236	2238	2239	rBV2	5294	3043	0.61%	0.037%
65	15.931	2252	2254	2257	rBV3	3214	2711	0.54%	0.033%
66	16.095	2280	2282	2287	rVB3	12462	9946	1.99%	0.121%
67	16.395	2330	2333	2338	rVB5	24936	30207	6.05%	0.368%
68	16.518	2351	2354	2360	rVB2	14381	18389	3.68%	0.224%
69	16.741	2389	2392	2395	rBV4	14354	16158	3.24%	0.197%
70	16.777	2396	2398	2403	rVB3	27585	33564	6.72%	0.409%
71	16.859	2407	2412	2416	rBV2	267811	372850	74.66%	4.545%

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72	16.900	2416	2419	2425	rVV	239759	319306	63.94%	3.892%
73	16.959	2425	2429	2432	rVV2	54165	75789	15.18%	0.924%
74	16.994	2432	2435	2440	rVV2	51332	69346	13.89%	0.845%
75	17.041	2440	2443	2449	rVB7	25136	38625	7.73%	0.471%
76	17.582	2531	2535	2543	rVB7	33777	48259	9.66%	0.588%
77	17.940	2591	2596	2599	rBV3	136737	192052	38.46%	2.341%
78	17.999	2603	2606	2610	rVV2	61235	73107	14.64%	0.891%
79	18.040	2611	2613	2620	rVB2	54133	59967	12.01%	0.731%
80	18.228	2641	2645	2651	rBV5	44407	89367	17.90%	1.089%
81	18.798	2735	2742	2753	rVB4	190637	353470	70.78%	4.308%
82	18.939	2761	2766	2772	rVB	302804	402030	80.51%	4.900%
83	19.086	2787	2791	2796	rVB	228334	303916	60.86%	3.704%
84	19.150	2799	2802	2806	rVV4	43107	53818	10.78%	0.656%
85	19.274	2819	2823	2825	rBV2	109473	158331	31.71%	1.930%
86	19.303	2825	2828	2832	rVB	230219	286479	57.37%	3.492%
87	19.427	2847	2849	2854	rVB2	58242	67442	13.51%	0.822%
88	19.662	2886	2889	2892	rVB	118198	126957	25.42%	1.547%
89	19.803	2909	2913	2918	rVB2	411835	499371	100.00%	6.087%
90	19.855	2918	2922	2926	rBV	104797	122058	24.44%	1.488%
91	20.085	2957	2961	2965	rBV	399499	475429	95.21%	5.795%
92	20.132	2966	2969	2973	rBV3	112841	137874	27.61%	1.681%
93	20.237	2983	2987	2992	rVB4	128559	176110	35.27%	2.147%
94	20.396	3008	3014	3021	rVB	257753	440207	88.15%	5.366%
95	20.543	3036	3039	3044	rVB4	160198	209462	41.95%	2.553%
96	20.608	3047	3050	3054	rBV2	84161	90807	18.18%	1.107%
97	20.813	3082	3085	3089	rVB2	148229	168160	33.67%	2.050%
98	21.072	3124	3129	3132	rBV2	260608	418832	83.87%	5.105%
99	21.107	3132	3135	3141	rVB2	370235	449453	90.00%	5.478%
100	21.653	3224	3228	3232	rVB	358872	400261	80.15%	4.879%

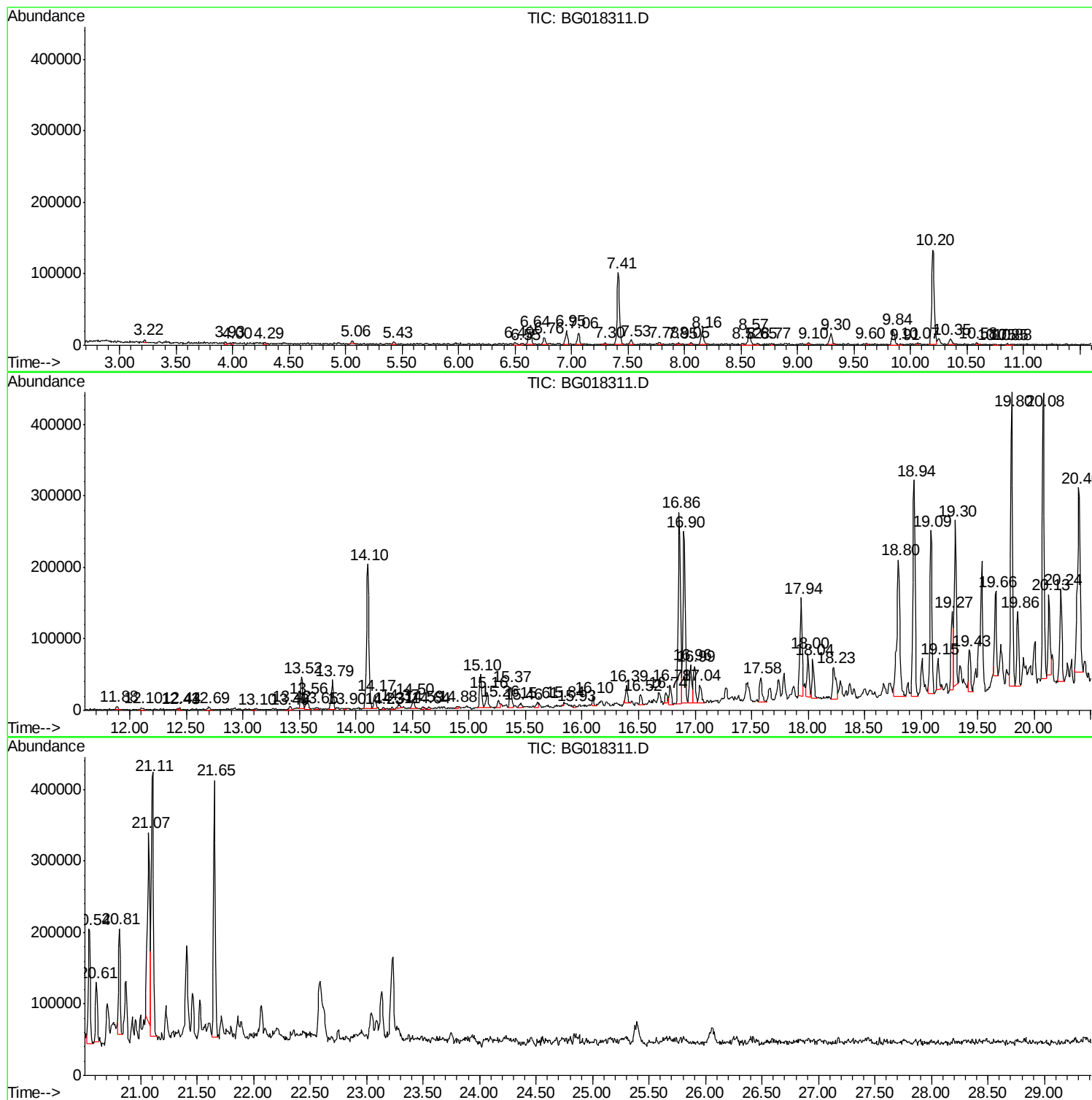
Sum of corrected areas: 8204315

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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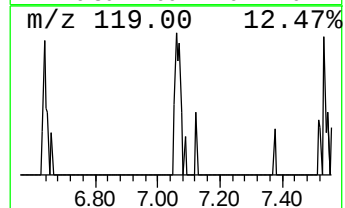
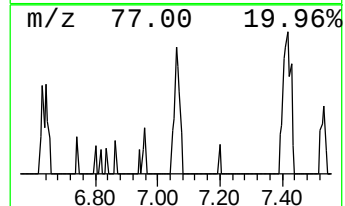
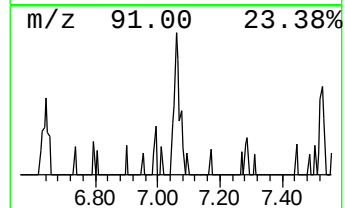
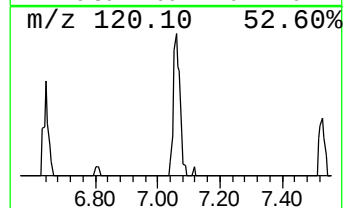
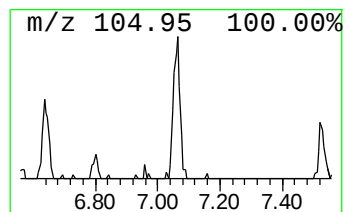
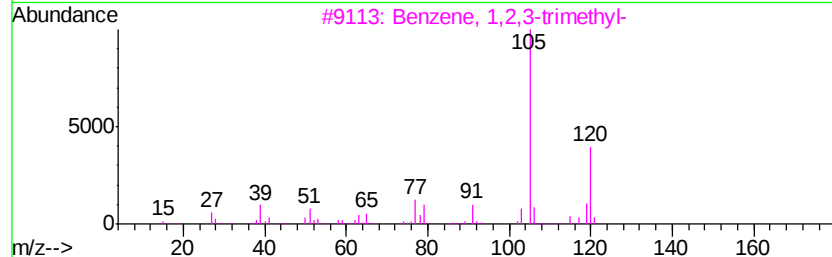
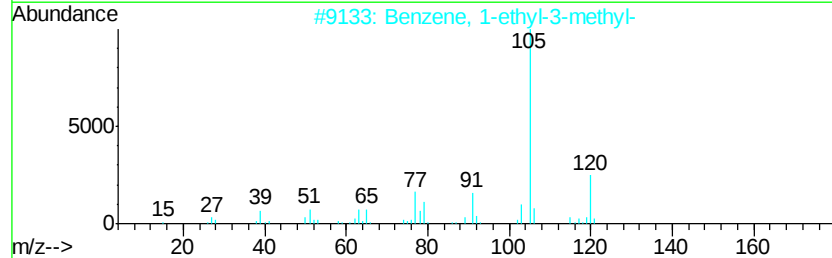
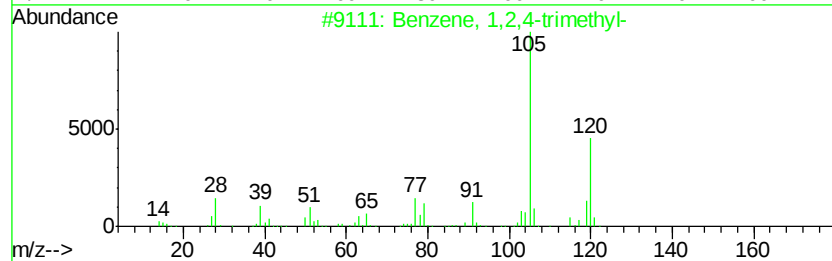
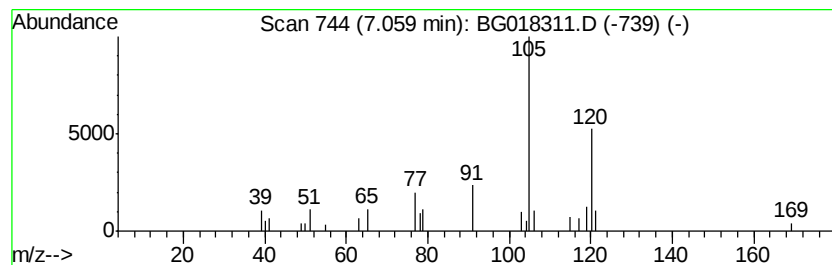
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1,2,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	3.09 ng/ul	23785	1,4-Dichlorobenzene-d4	7.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	68



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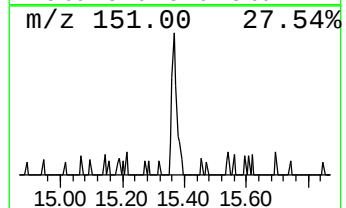
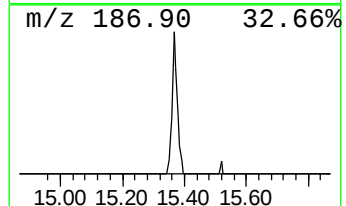
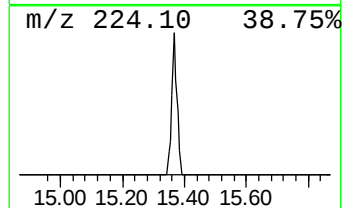
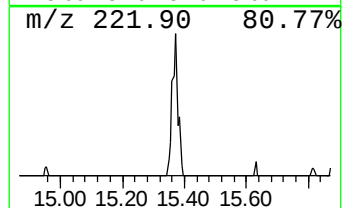
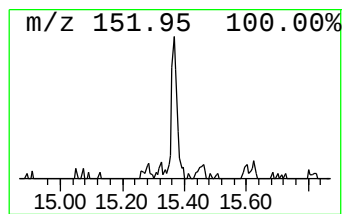
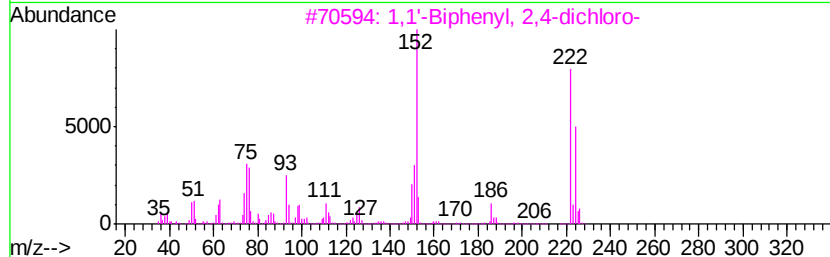
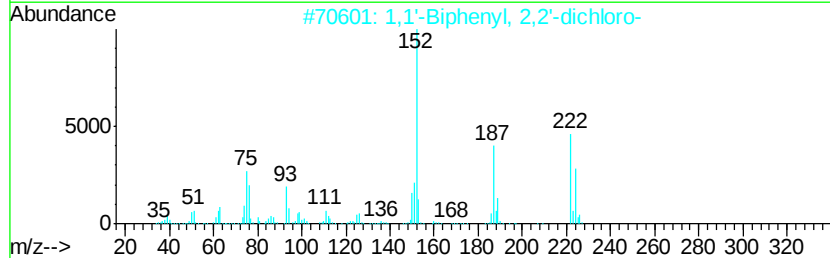
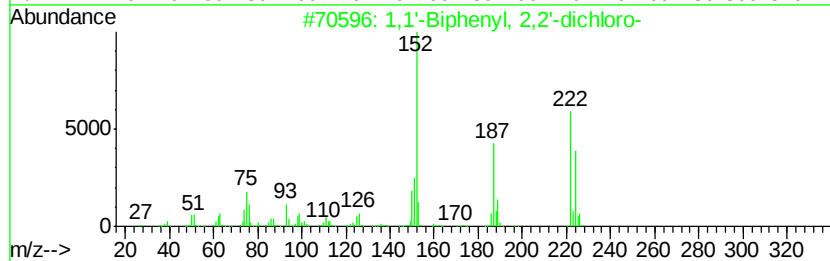
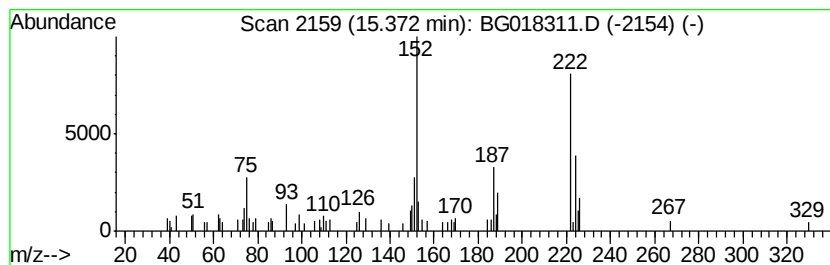
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	2.57 ng/ul	40007	Acenaphthene-d10	14.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	90
2		1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	76
3		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	70
4		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	53
5		1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	50



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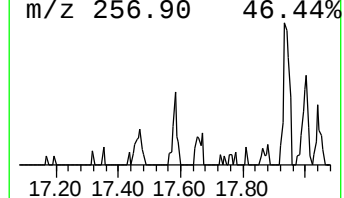
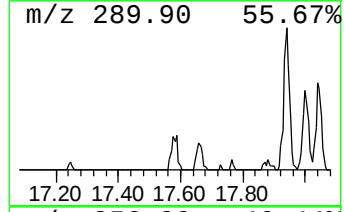
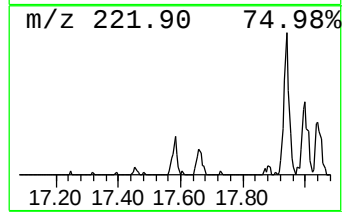
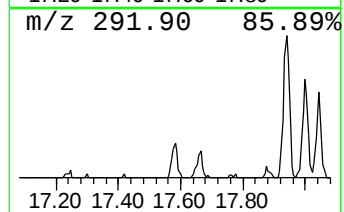
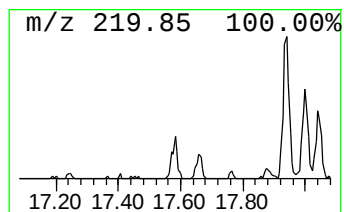
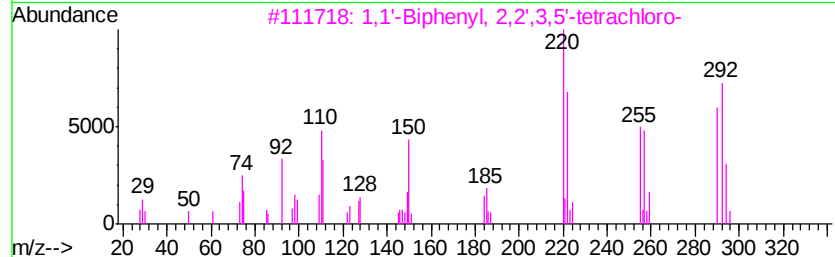
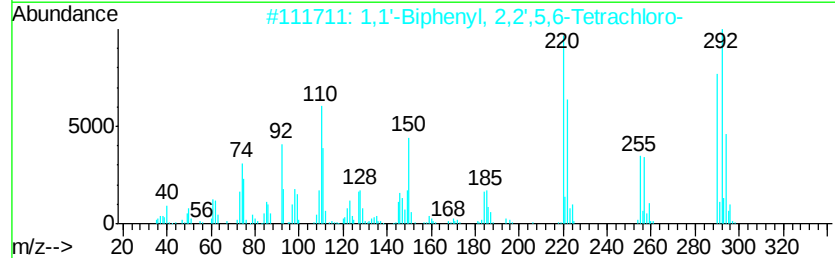
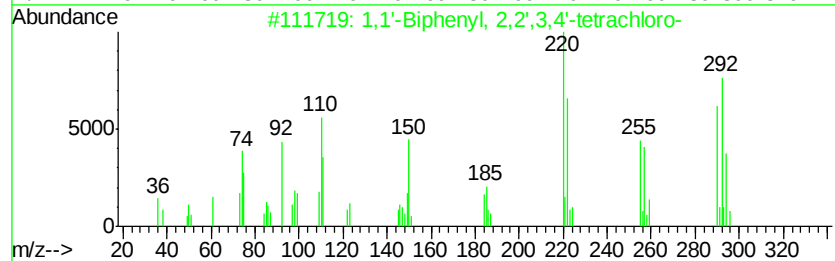
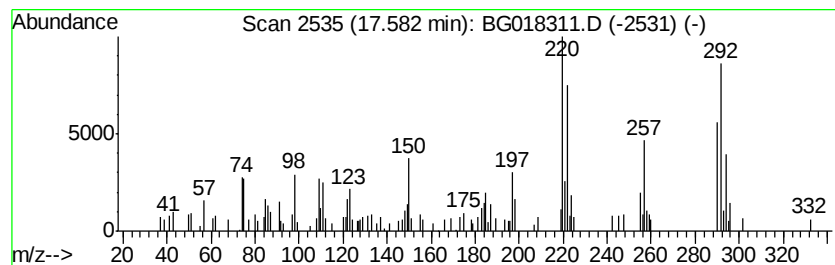
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.58	2.59 ng/ul	48259	Phenanthrene-d10	16.86		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	94
2	1,1'-Biphenyl,	2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	93
3	1,1'-Biphenyl,	2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	93
4	1,1'-Biphenyl,	2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	90
5	1,1'-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	87



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

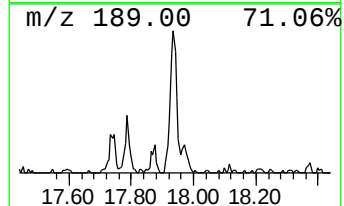
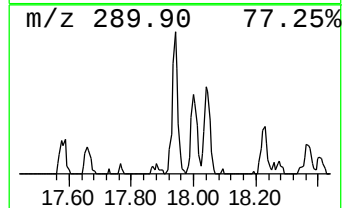
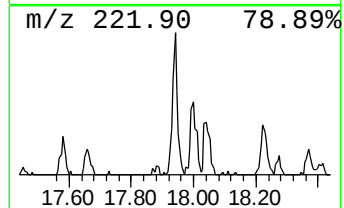
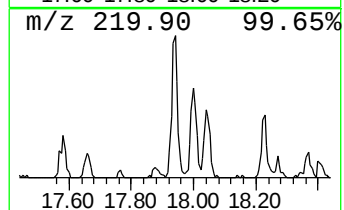
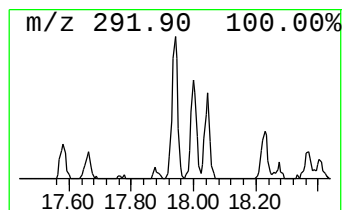
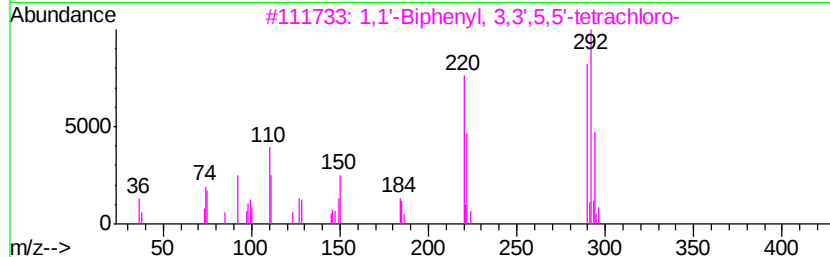
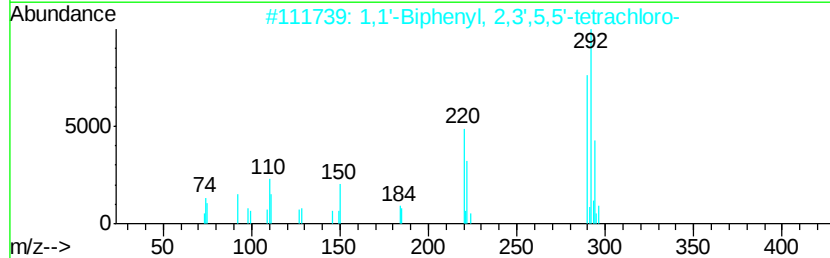
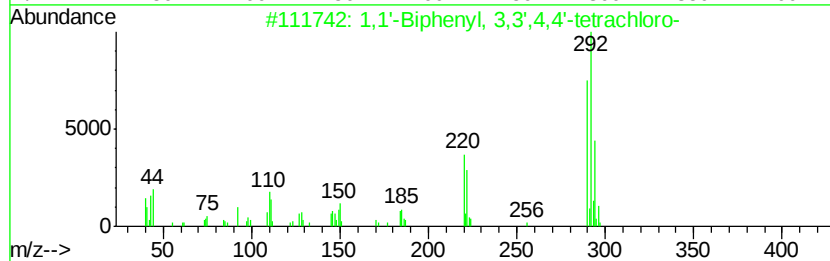
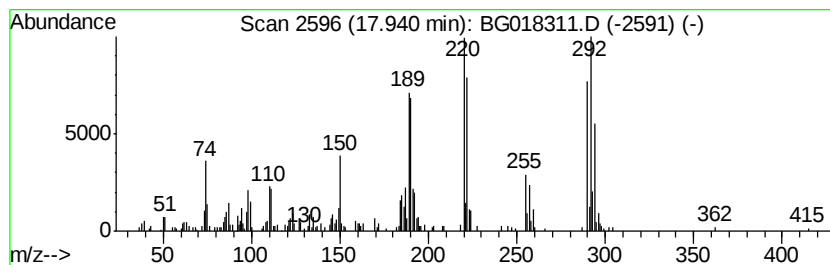
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	10.30 ng/ul	192052	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2		1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94
3		1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	94
4		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	94
5		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	93



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

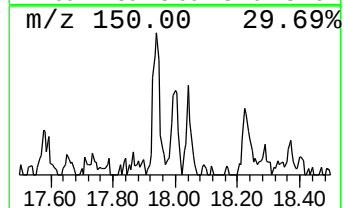
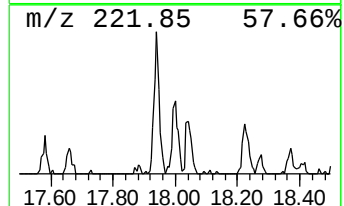
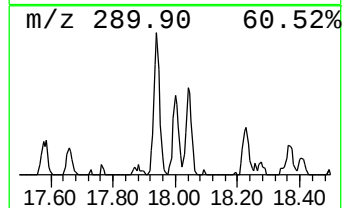
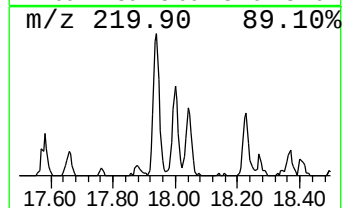
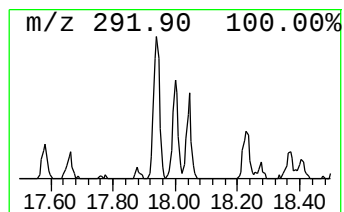
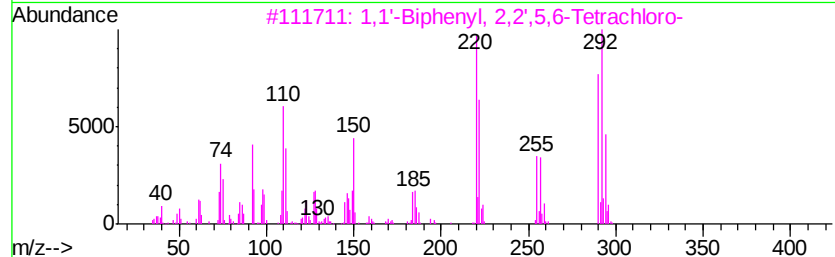
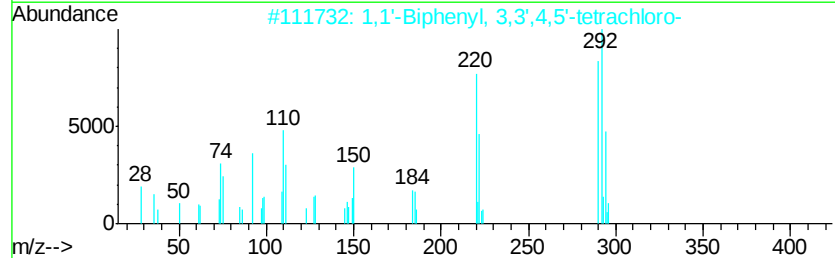
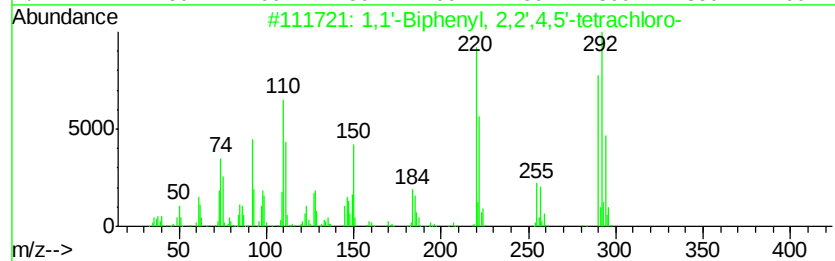
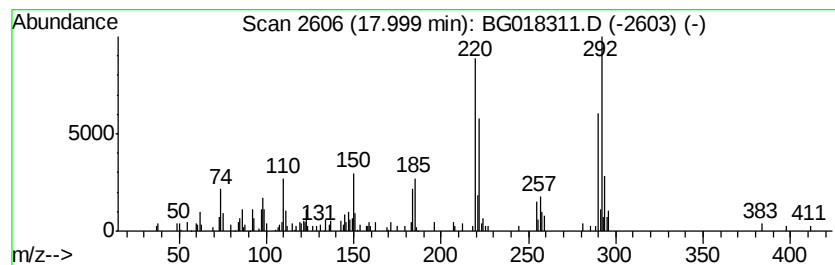
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	3.92 ng/ul	73107	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	90
2		1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	89
3		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	87
4		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	86
5		1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	74



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

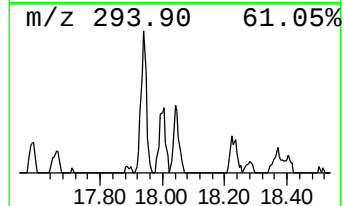
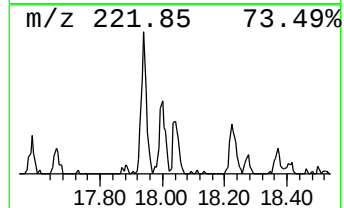
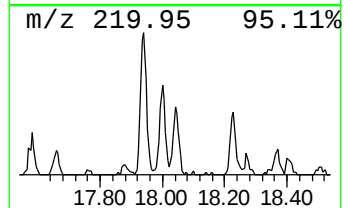
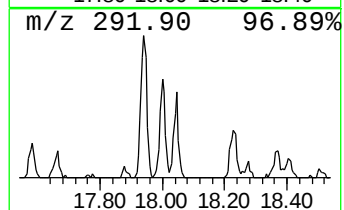
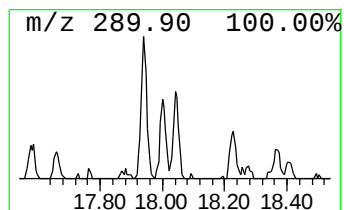
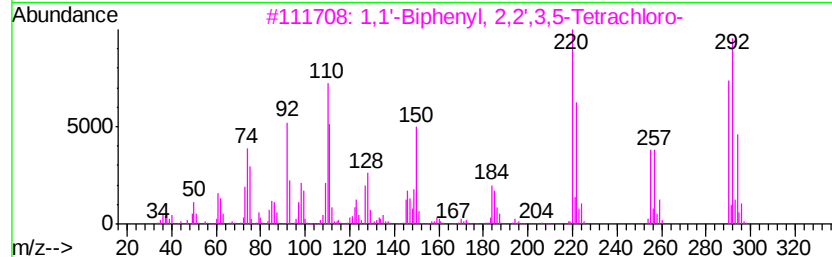
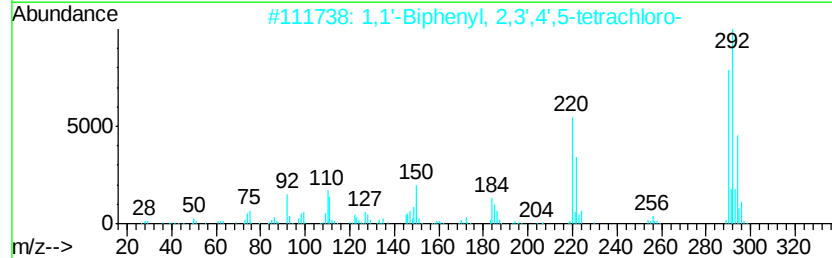
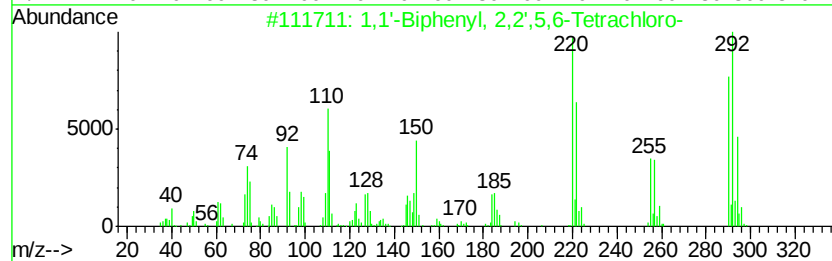
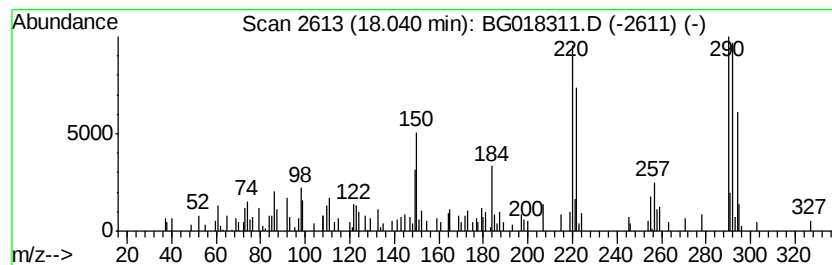
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.04	3.22 ng/ul	59967	Phenanthrene-d10	16.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94
2	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	94
3	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	93
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	93
5	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	93



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

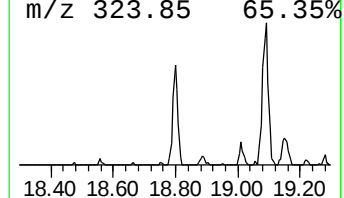
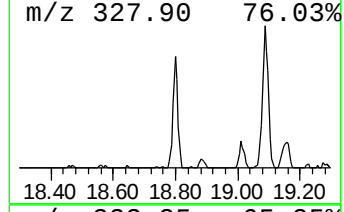
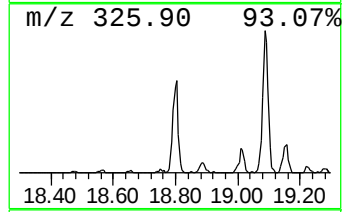
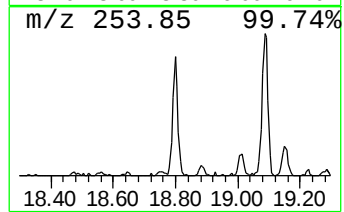
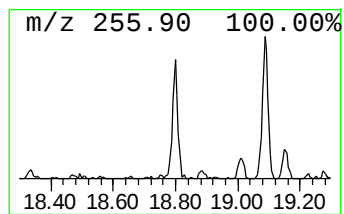
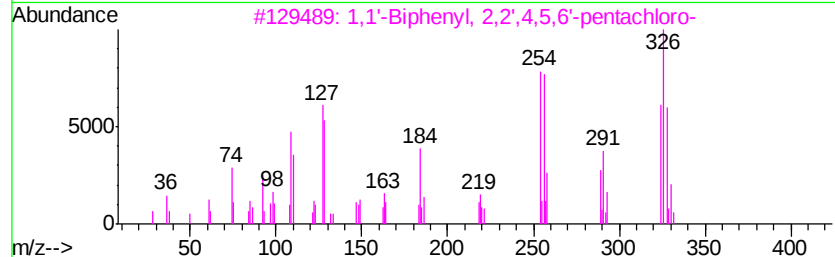
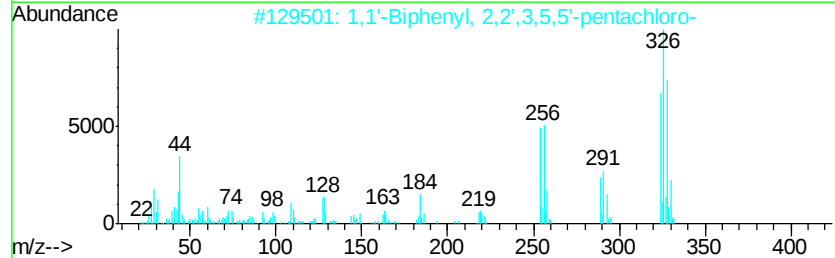
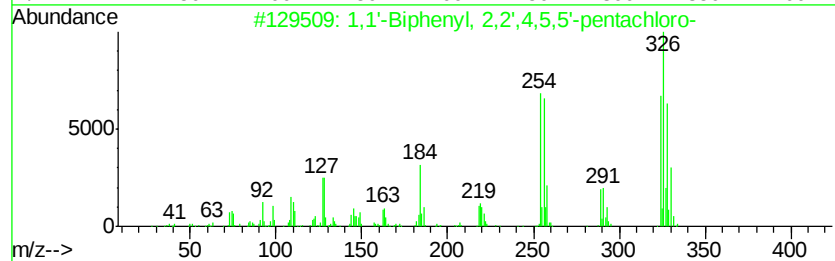
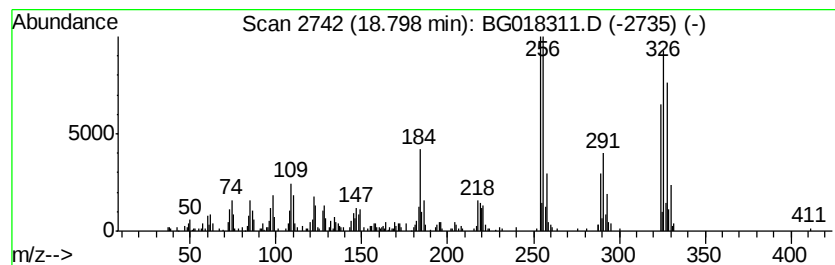
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	18.96 ng/ul	353470	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
3		1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	95
4		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	94
5		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

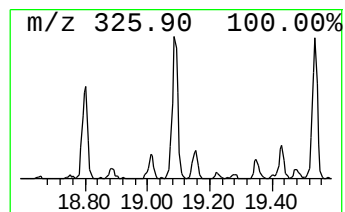
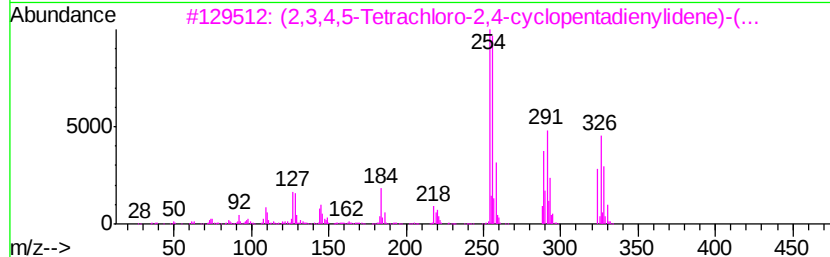
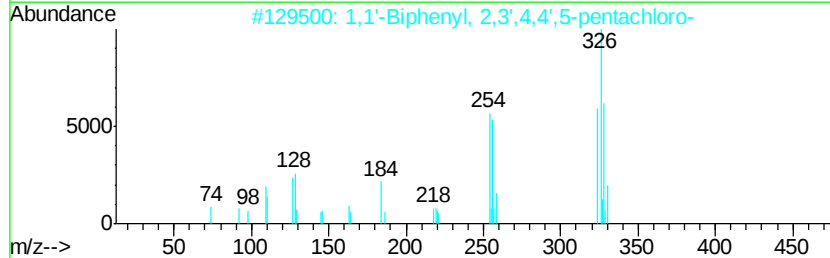
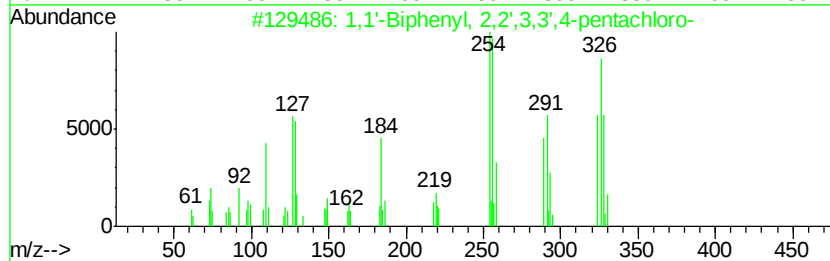
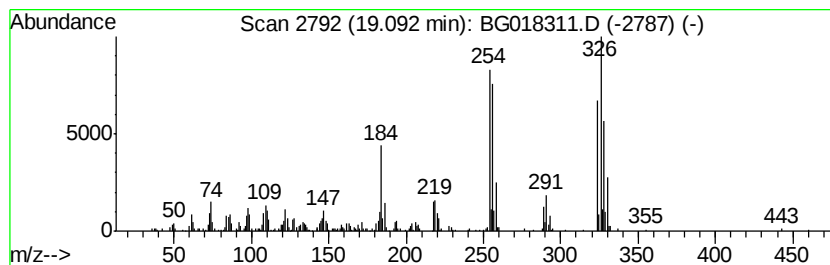
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	14.51 ng/ul	303916	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	95
2		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
3		(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
4		1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	94
5		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

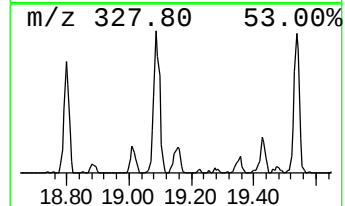
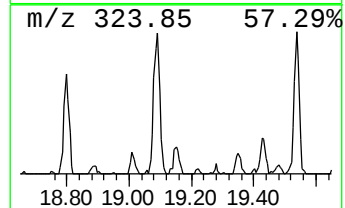
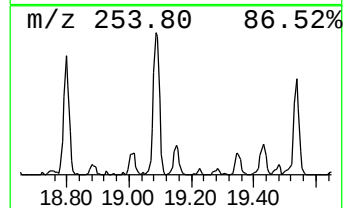
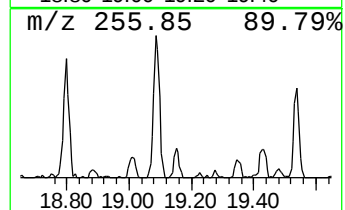
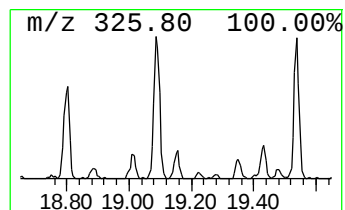
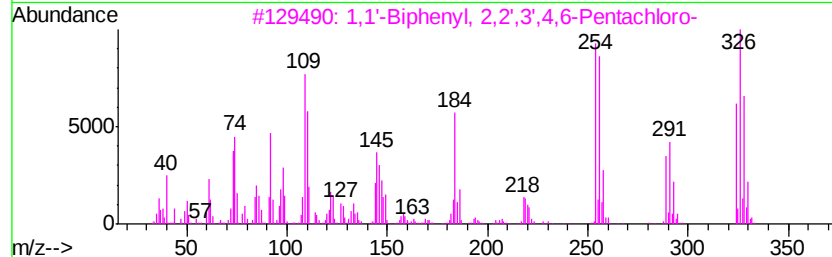
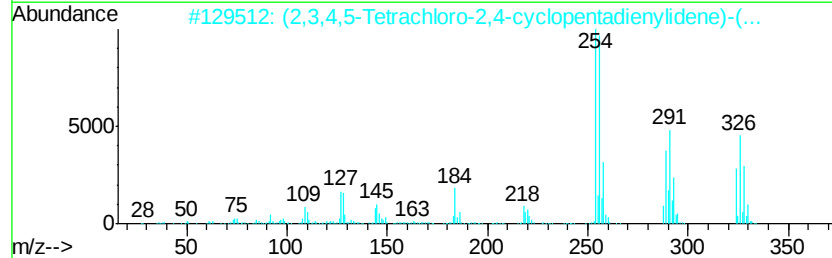
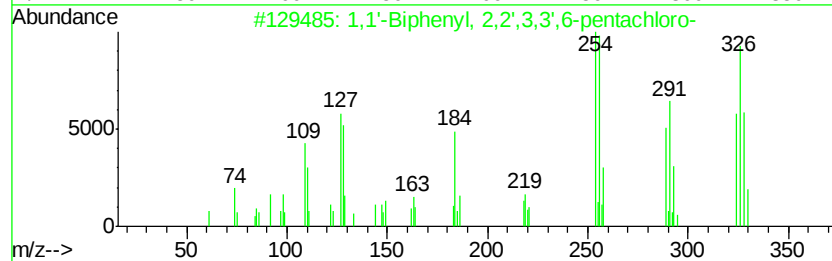
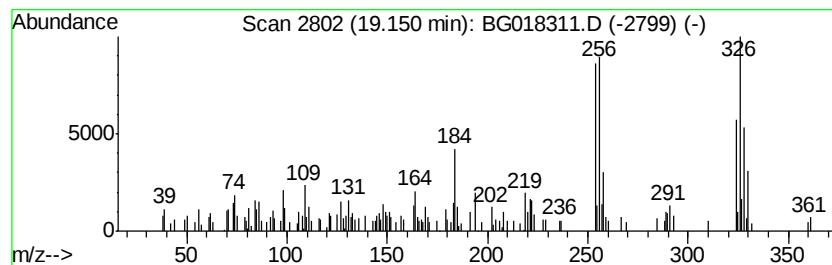
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.57 ng/ul	53818	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	93
2		(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	93
3		1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	93
4		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93
5		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	93



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

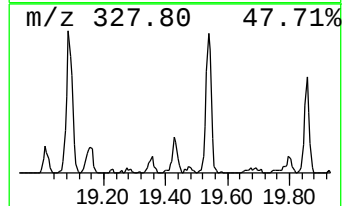
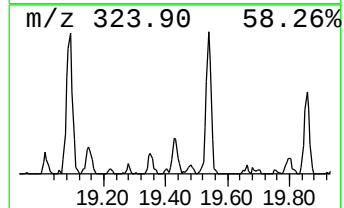
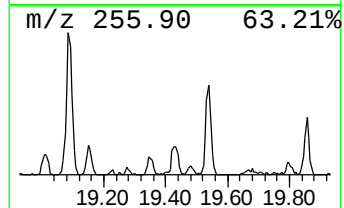
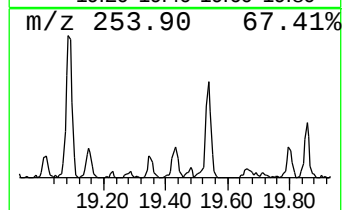
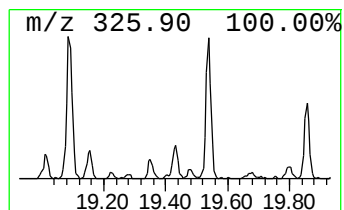
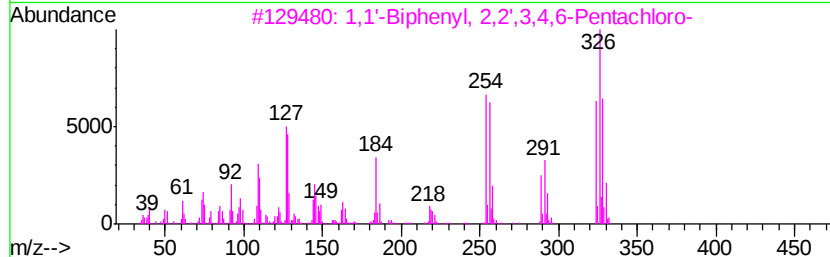
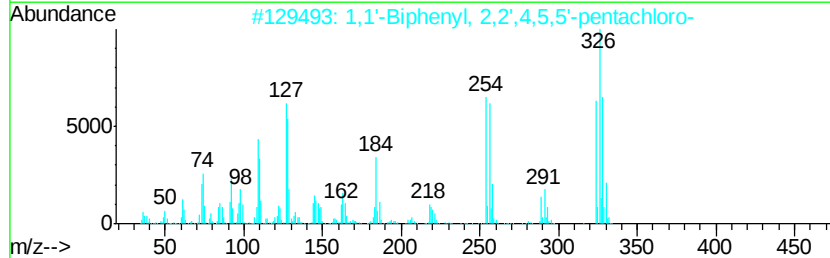
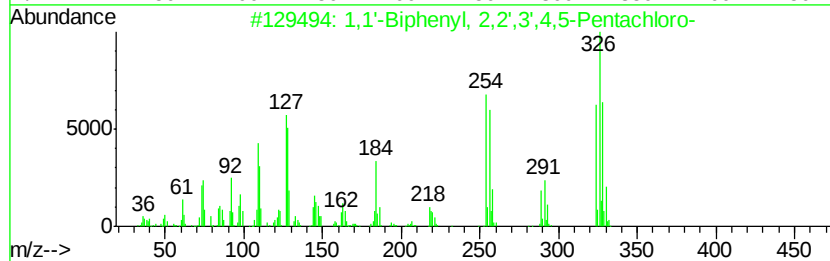
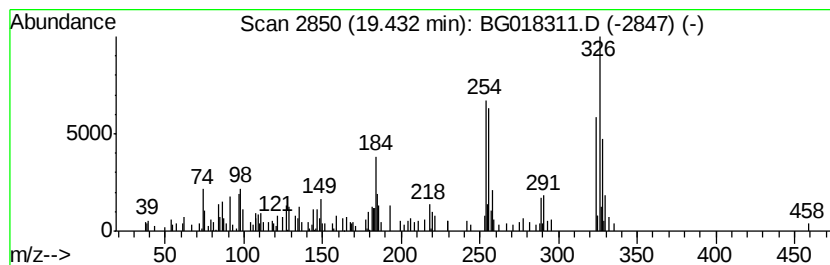
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BNA_G
ClientSampleId :
C02K6REDL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	3.22 ng/ul	67442	Chrysene-d12	21.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324 C12H5Cl5	041464-51-1	94
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324 C12H5Cl5	037680-73-2	94
3	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324 C12H5Cl5	055215-17-3	93
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324 C12H5Cl5	038380-03-9	90
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324 C12H5Cl5	038380-01-7	89



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

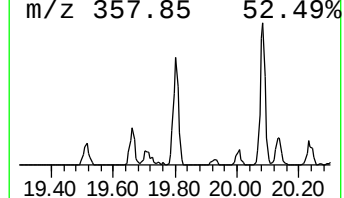
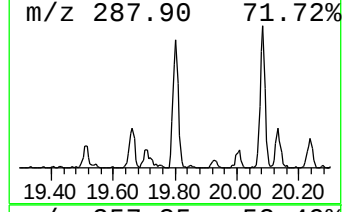
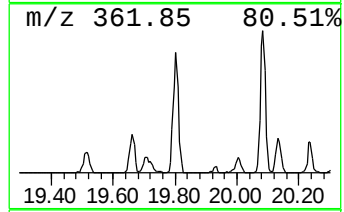
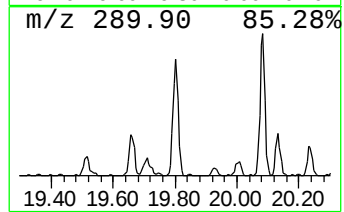
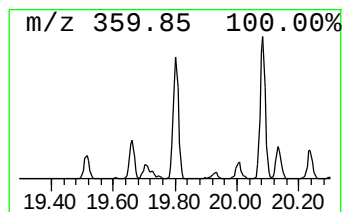
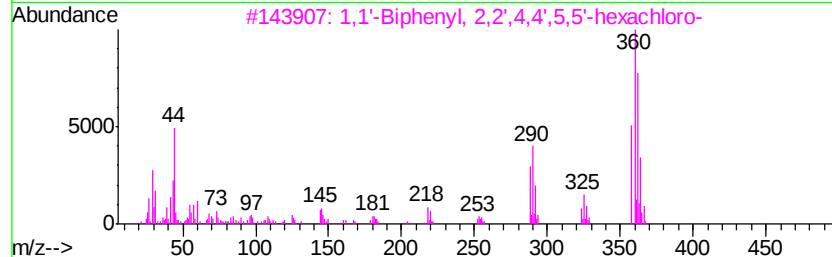
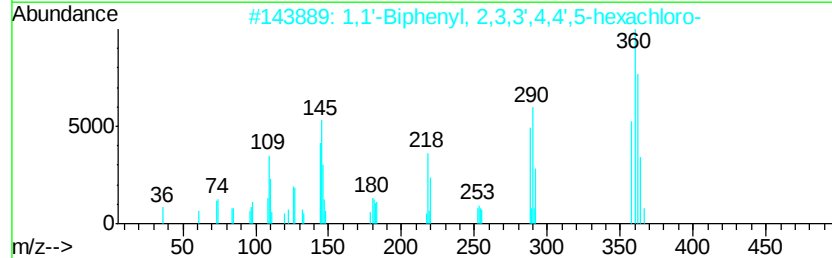
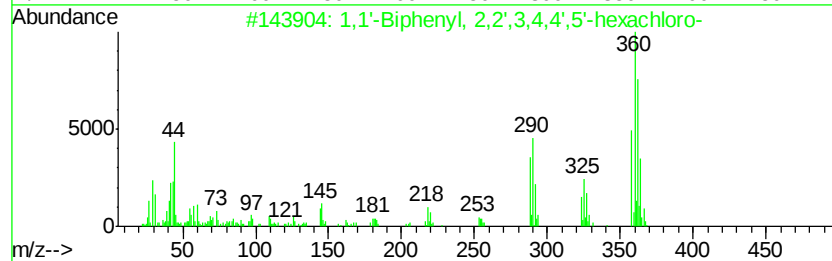
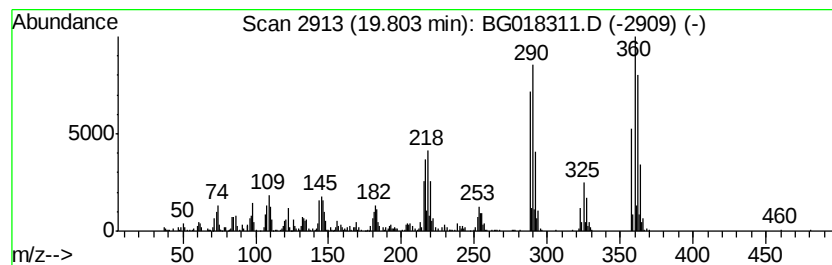
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	23.85 ng/ul	499371	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	97
2		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	95
3		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
4		1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	94
5		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

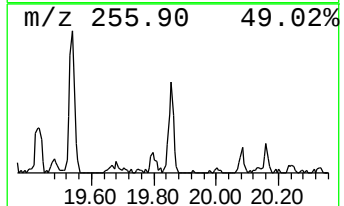
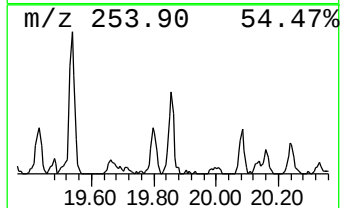
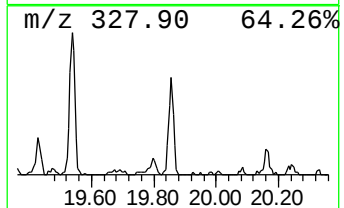
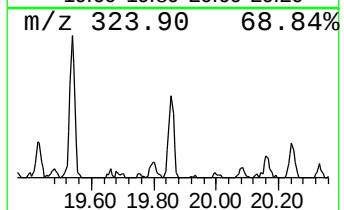
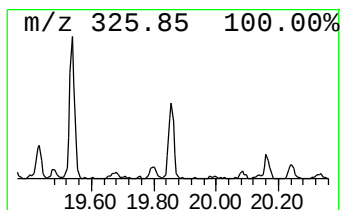
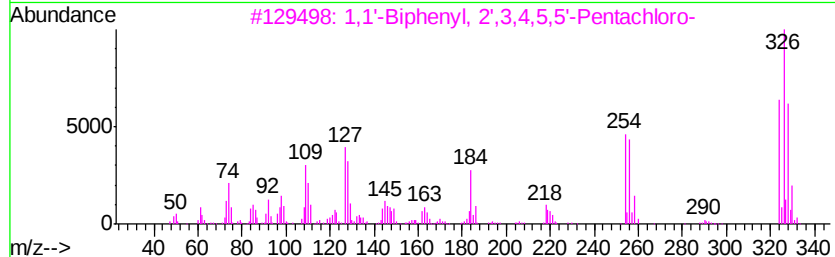
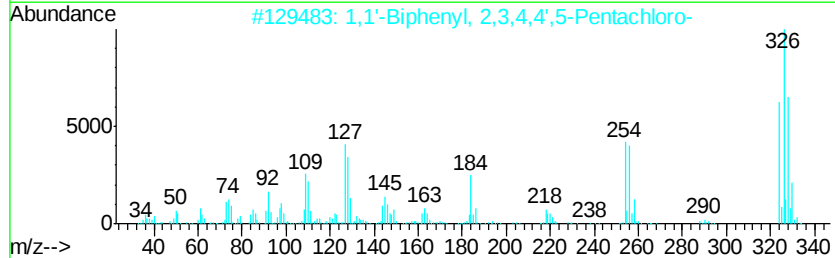
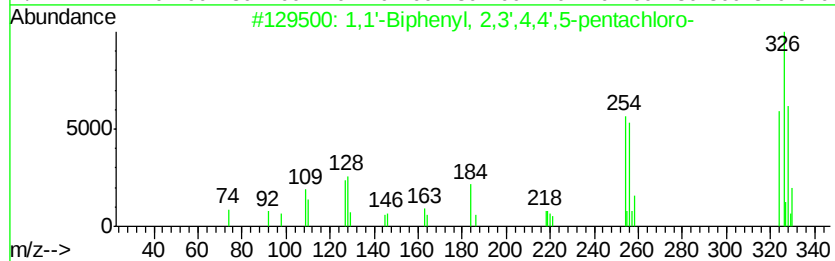
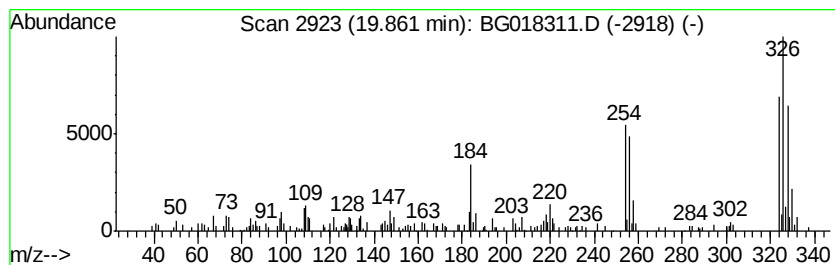
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	5.83 ng/ul	122058	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96		
2	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95		
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95		
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95		
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	94		



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

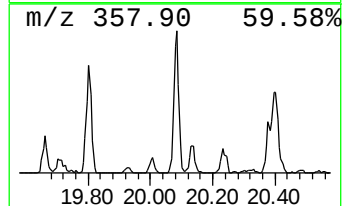
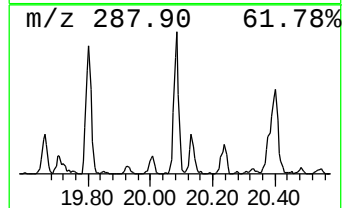
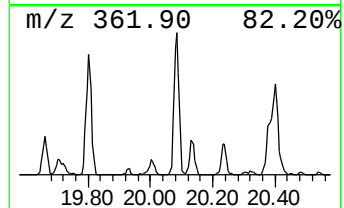
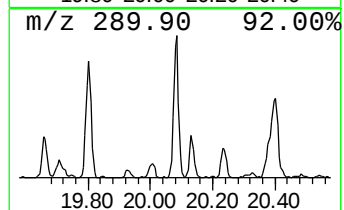
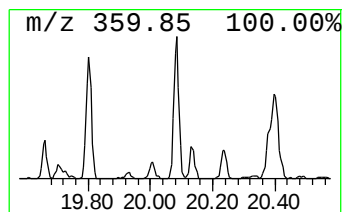
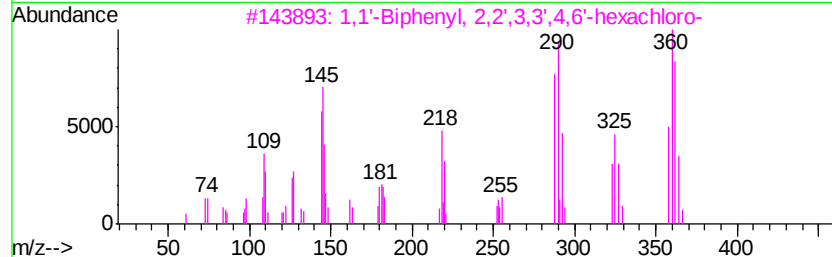
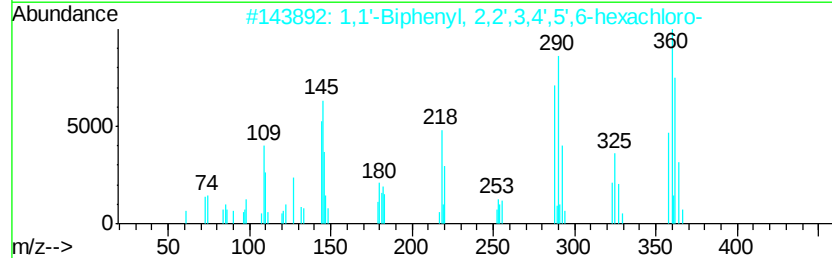
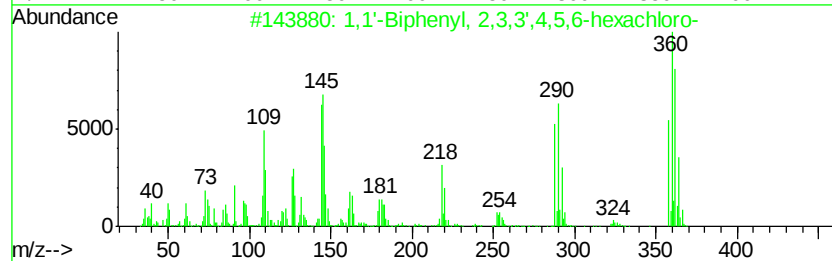
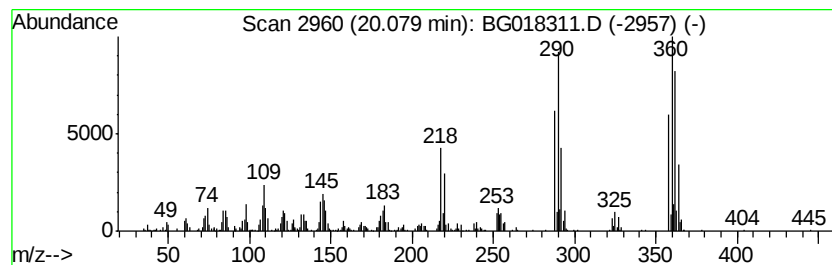
Instrument :
BNA_G
ClientSampleId :
C02K6REDL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	22.70 ng/ul	475429	Chrysene-d12	21.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358 C12H4Cl6	041411-62-5	95
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358 C12H4Cl6	038380-04-0	95
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358 C12H4Cl6	038380-05-1	95
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358 C12H4Cl6	035065-28-2	94
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358 C12H4Cl6	038380-07-3	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C02K6REDL

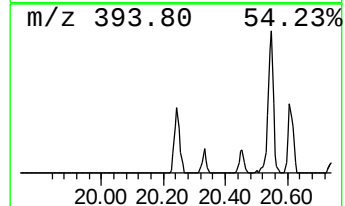
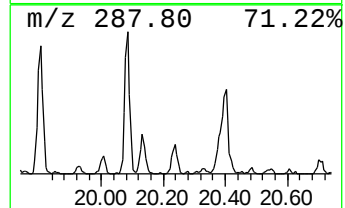
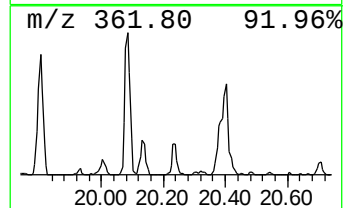
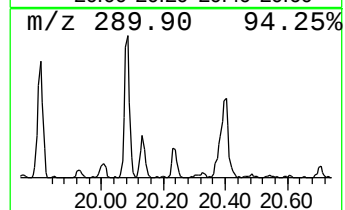
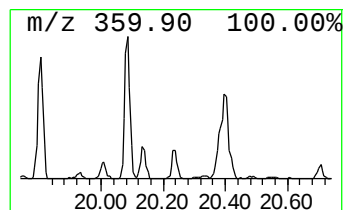
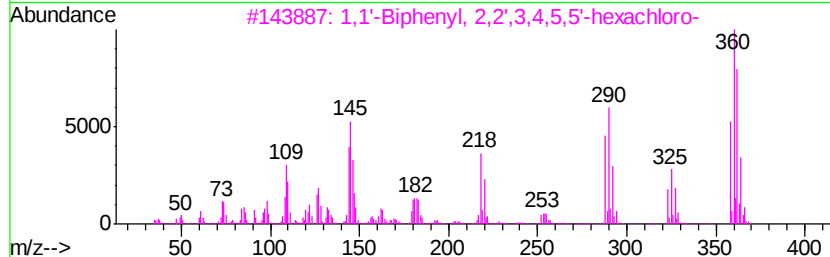
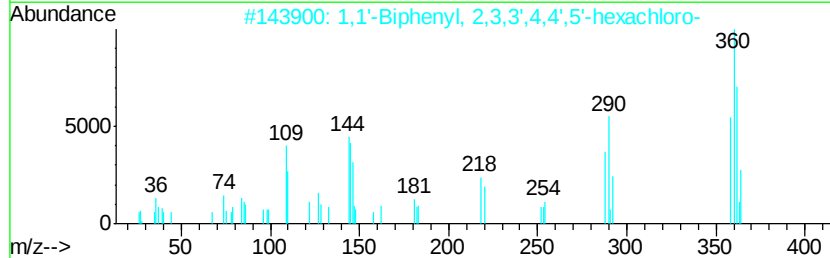
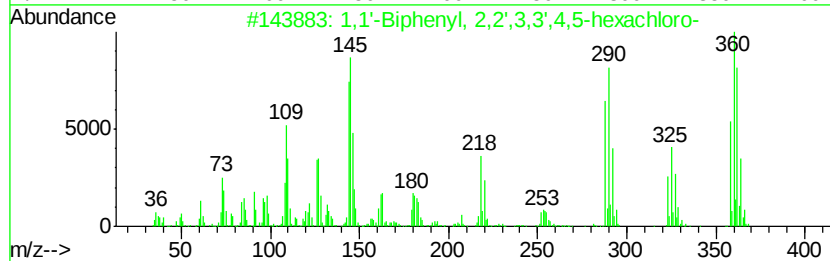
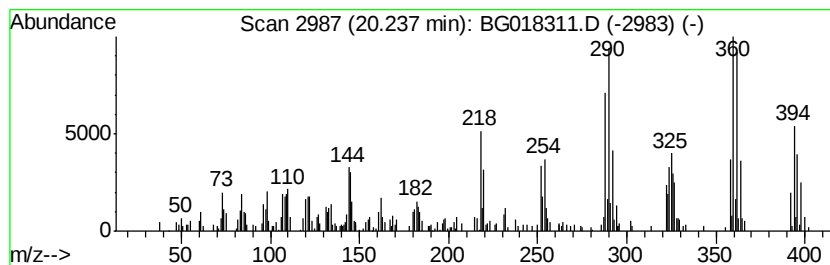
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	8.41 ng/ul	176110	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	89
2		1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	83
3		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	83
4		1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	83
5		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	76



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

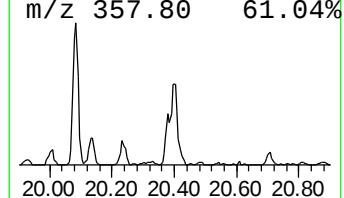
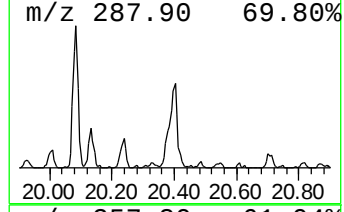
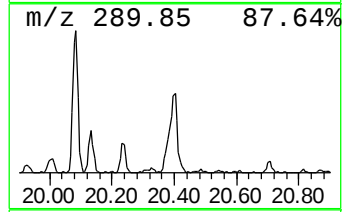
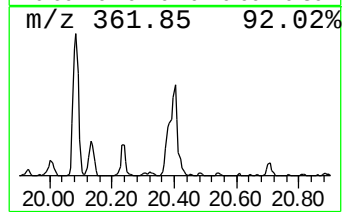
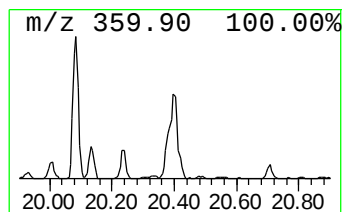
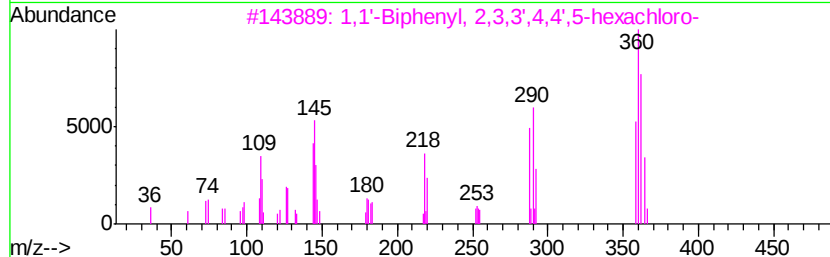
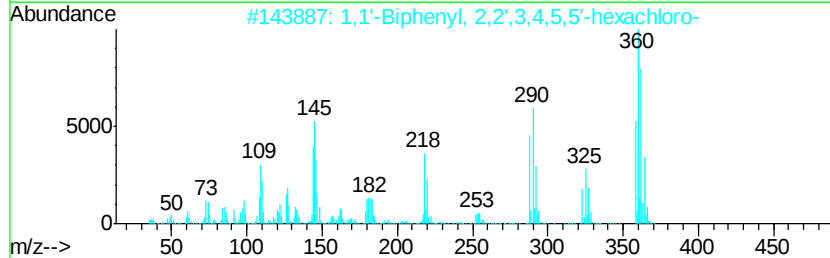
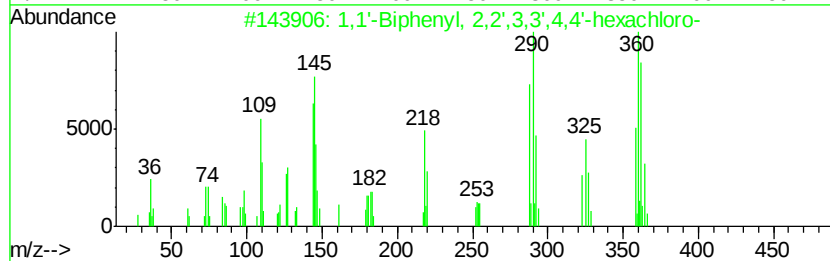
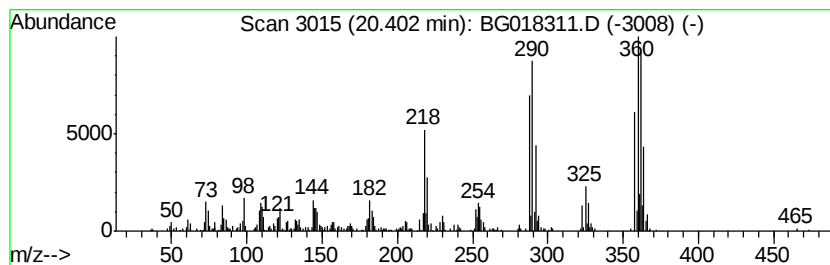
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ClientSampleId :
C02K6REDL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.40	21.02 ng/ul	440207	Chrysene-d12	21.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	97
2	1,1'-Biphenyl,	2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	95
3	1,1'-Biphenyl,	2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	95
4	1,1'-Biphenyl,	2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	94
5	1,1'-Biphenyl,	2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

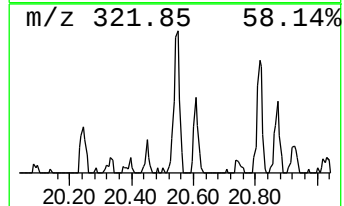
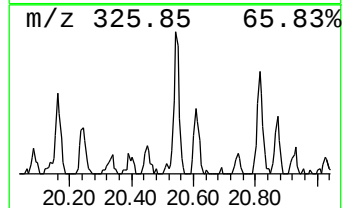
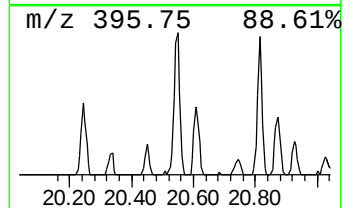
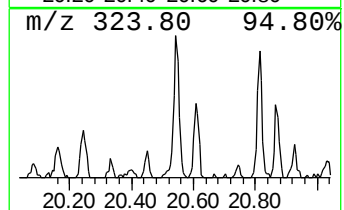
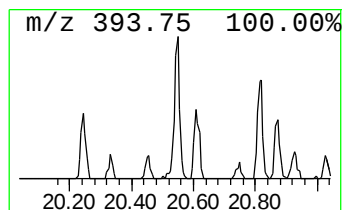
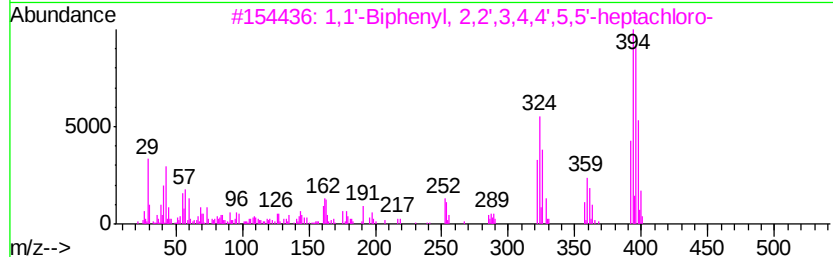
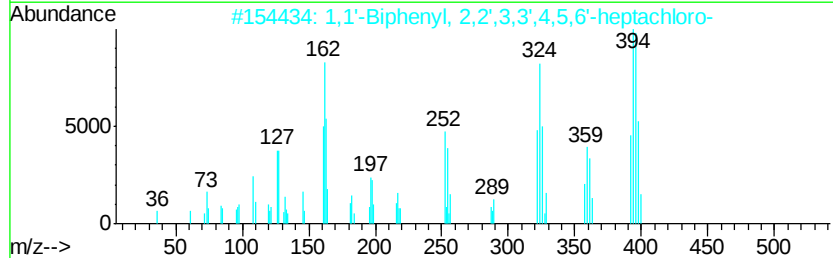
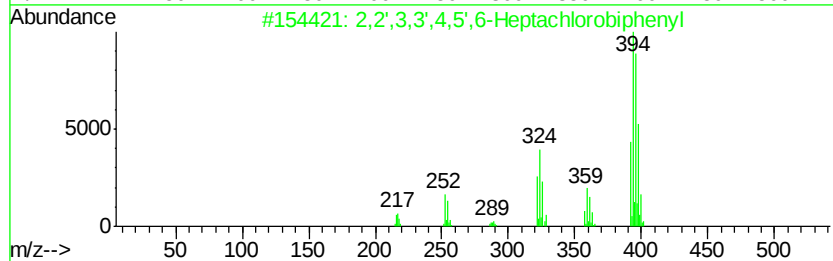
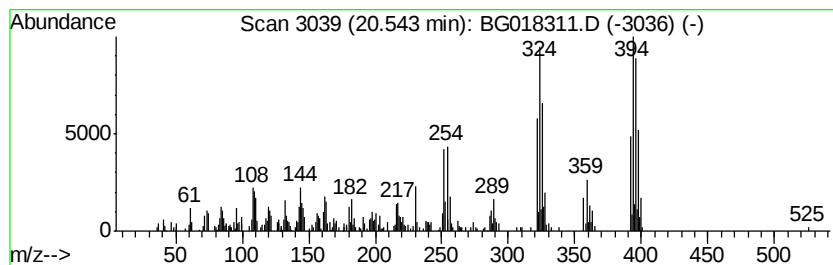
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	10.00 ng/ul	209462	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	98
2		1,1'-Biphenyl, 2,2',3,3',4,5,6'-...	392	C12H3Cl7	038411-25-5	96
3		1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	94
4		1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	94
5		1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	94



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

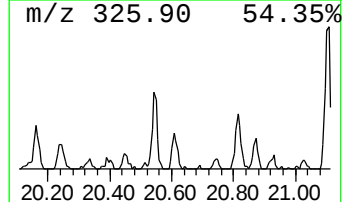
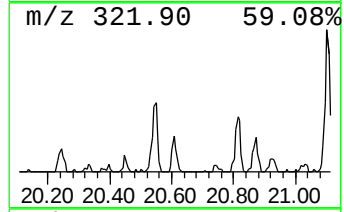
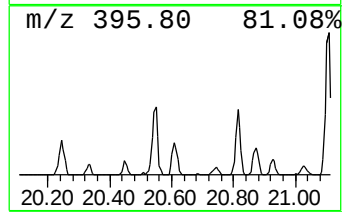
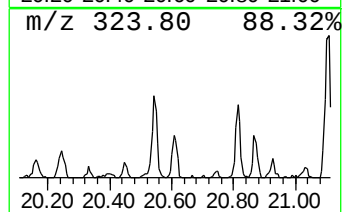
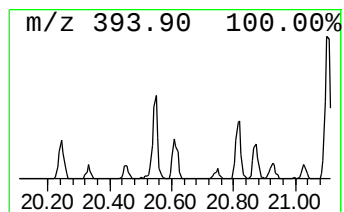
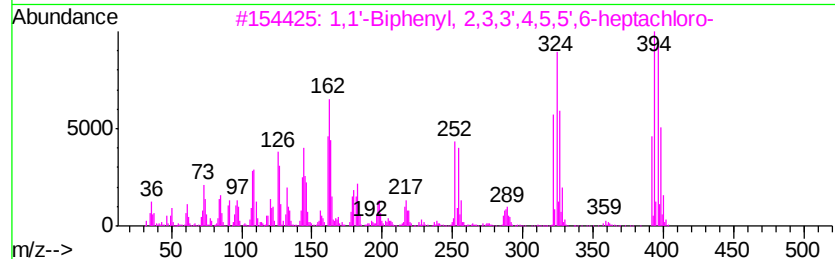
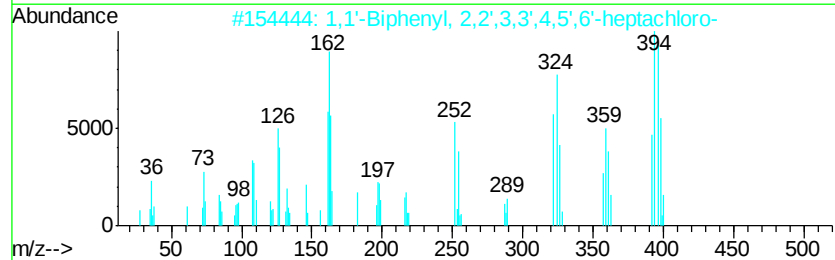
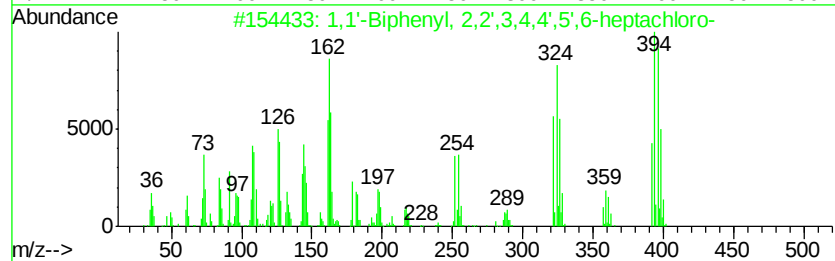
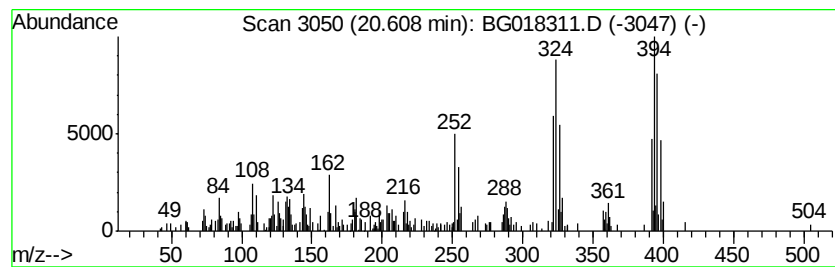
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	4.34 ng/ul	90807	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	96		
2	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	95		
3	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	94		
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	94		
5	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	94		



Data Path : Z:\HPCHEM1\BNA_G\Data\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

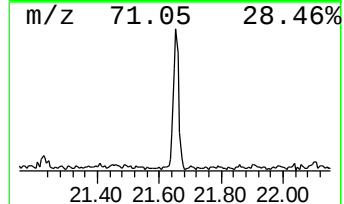
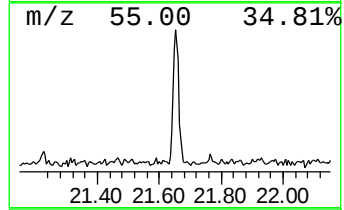
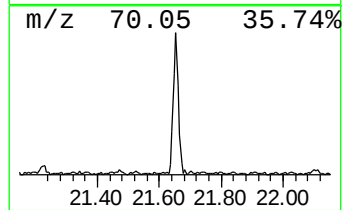
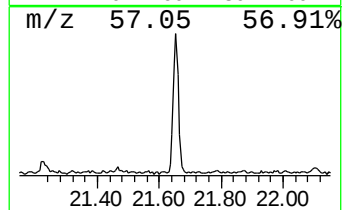
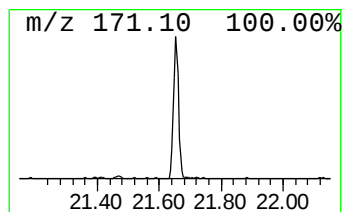
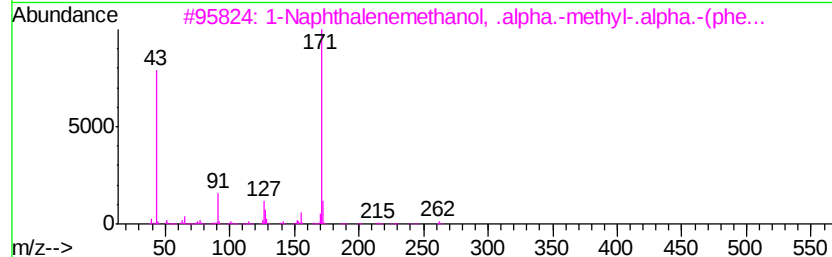
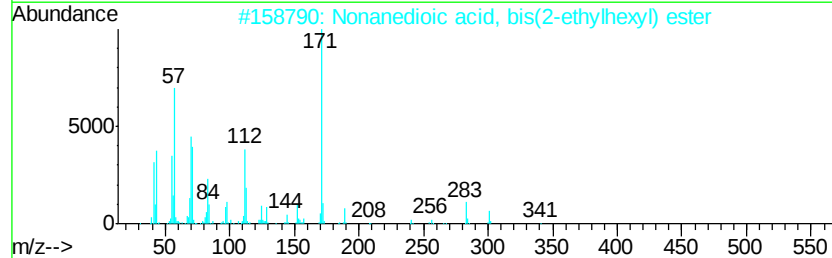
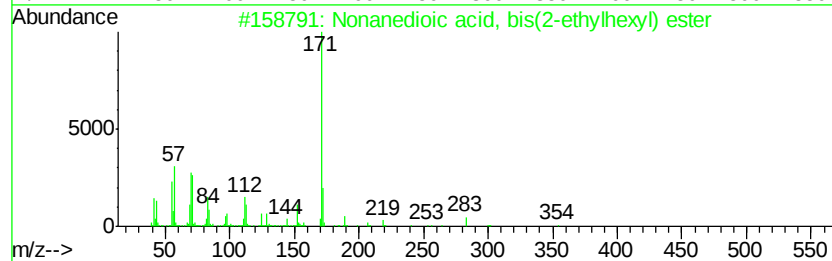
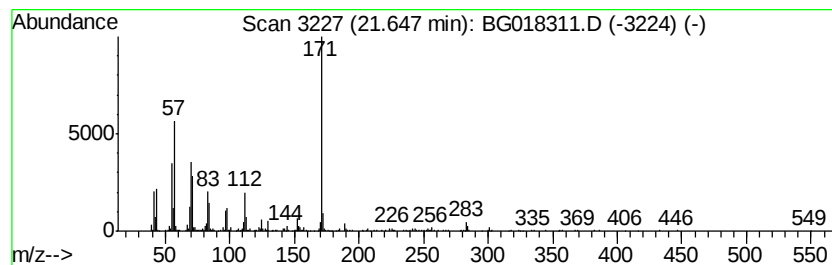
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 Nonanedioic acid, bis(2-eth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.65	19.11 ng/ul	400261	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanedioic acid, bis(2-ethylhex...	412	C25H48O4	000103-24-2	72
2		Nonanedioic acid, bis(2-ethylhex...	412	C25H48O4	000103-24-2	47
3		1-Naphthalenemethanol, .alpha.-m...	262	C19H18O	065059-25-8	38
4		4-[3-(3-Methoxy-phenyl)-4-methyl...	391	C18H25N5O3S	312282-12-5	33
5		1,3,5-Triazine-2,4(1H,3H)-dione,...	252	C12H20N4O2	051235-04-2	33



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 Data File : BG018311.D
 Acq On : 7 Aug 2015 16:00
 Operator : UM/TP
 Sample : G3030-20REDL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1,2,4-tr...	7.06	3.1	ng/ul	23785	1	7.42	154002	20.0
1,1'-Biphenyl, 2,...	15.37	2.6	ng/ul	40007	3	14.10	311052	20.0
1,1'-Biphenyl, 2,...	17.58	2.6	ng/ul	48259	4	16.86	372850	20.0
1,1'-Biphenyl, 3,...	17.94	10.3	ng/ul	192052	4	16.86	372850	20.0
1,1'-Biphenyl, 2,...	18.00	3.9	ng/ul	73107	4	16.86	372850	20.0
1,1'-Biphenyl, 2,...	18.04	3.2	ng/ul	59967	4	16.86	372850	20.0
1,1'-Biphenyl, 2,...	18.80	19.0	ng/ul	353470	4	16.86	372850	20.0
1,1'-Biphenyl, 2,...	19.09	14.5	ng/ul	303916	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	19.15	2.6	ng/ul	53818	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	19.43	3.2	ng/ul	67442	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	19.80	23.9	ng/ul	499371	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	19.86	5.8	ng/ul	122058	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	20.08	22.7	ng/ul	475429	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	20.24	8.4	ng/ul	176110	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	20.40	21.0	ng/ul	440207	5	21.07	418832	20.0
2,2',3,3',4,5',6-...	20.54	10.0	ng/ul	209462	5	21.07	418832	20.0
1,1'-Biphenyl, 2,...	20.61	4.3	ng/ul	90807	5	21.07	418832	20.0
Nonanedioic acid,...	21.65	19.1	ng/ul	400261	5	21.07	418832	20.0