

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
 Data File : BG018303.D
 Acq On : 6 Aug 2015 14:09
 Operator : UM/TP
 Sample : G3109-12DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8DL

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	4.753	344	351	361	rVB	118186	182175	9.87%	0.820%
2	4.947	378	384	388	rVB2	16020	23353	1.27%	0.105%
3	5.076	401	406	416	rVB2	33025	59440	3.22%	0.268%
4	6.110	576	582	587	rVB2	5124	7498	0.41%	0.034%
5	6.410	629	633	636	rBV2	5958	8874	0.48%	0.040%
6	6.522	647	652	656	rBV2	19686	27572	1.49%	0.124%
7	6.580	657	662	666	rVV3	8977	14512	0.79%	0.065%
8	6.651	668	674	683	rVB3	14741	28115	1.52%	0.127%
9	6.774	687	695	699	rBV6	3827	8674	0.47%	0.039%
10	6.821	699	703	707	rVB2	4906	7908	0.43%	0.036%
11	7.080	739	747	752	rVB2	29716	51338	2.78%	0.231%
12	7.315	780	787	795	rVV	65214	102062	5.53%	0.459%
13	7.426	798	806	809	rVV	111621	184227	9.98%	0.829%
14	7.462	809	812	819	rVV	157671	239194	12.96%	1.077%
15	7.544	821	826	832	rBV3	9676	15605	0.85%	0.070%
16	7.973	894	899	903	rVB4	5317	9252	0.50%	0.042%
17	8.067	910	915	921	rVB6	7748	12522	0.68%	0.056%
18	8.237	940	944	948	rVB5	4944	8391	0.45%	0.038%
19	8.531	989	994	998	rVB4	7524	10928	0.59%	0.049%
20	8.596	998	1005	1008	rBV5	4840	8072	0.44%	0.036%
21	8.654	1012	1015	1020	rVB2	8905	12360	0.67%	0.056%
22	9.060	1079	1084	1087	rVV3	5833	9818	0.53%	0.044%
23	9.113	1089	1093	1099	rVB3	7394	13393	0.73%	0.060%
24	9.318	1122	1128	1130	rVB5	4972	8044	0.44%	0.036%
25	9.424	1142	1146	1149	rBV2	11032	15878	0.86%	0.071%
26	9.459	1149	1152	1157	rVB4	6396	9478	0.51%	0.043%
27	9.730	1196	1198	1205	rVB3	6632	9258	0.50%	0.042%
28	9.865	1216	1221	1222	rBV4	7258	8767	0.47%	0.039%
29	10.082	1253	1258	1262	rBV4	9669	16925	0.92%	0.076%
30	10.211	1274	1280	1286	rBV	157475	264682	14.34%	1.191%
31	10.264	1286	1289	1297	rVB2	13227	23301	1.26%	0.105%
32	10.770	1370	1375	1380	rBV6	8006	13398	0.73%	0.060%
33	11.898	1560	1567	1573	rVB	11212	20760	1.12%	0.093%
34	12.115	1601	1604	1609	rVB2	7173	9484	0.51%	0.043%

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35	12.503	1666	1670	1674	rBV3	5267	9121	0.49%	0.041%
36	12.638	1688	1693	1698	rBV4	6092	10714	0.58%	0.048%
37	12.938	1740	1744	1752	rVB5	13546	20724	1.12%	0.093%
38	13.267	1796	1800	1801	rBV2	7647	8267	0.45%	0.037%
39	13.437	1824	1829	1833	rVB4	11282	20966	1.14%	0.094%
40	13.478	1833	1836	1837	rBV3	8392	8090	0.44%	0.036%
41	13.525	1840	1844	1849	rVB4	25878	37624	2.04%	0.169%
42	13.578	1849	1853	1855	rBV2	14326	16191	0.88%	0.073%
43	13.602	1855	1857	1861	rVB4	9099	9267	0.50%	0.042%
44	13.649	1861	1865	1867	rBV5	7198	10679	0.58%	0.048%
45	13.801	1887	1891	1895	rVV	17128	25494	1.38%	0.115%
46	13.854	1895	1900	1906	rVV5	45413	74277	4.02%	0.334%
47	13.936	1910	1914	1918	rVB4	15095	21653	1.17%	0.097%
48	14.025	1923	1929	1934	rBV8	13526	27412	1.49%	0.123%
49	14.113	1939	1944	1948	rBV4	232504	361741	19.60%	1.628%
50	14.154	1948	1951	1954	rVB	96796	113660	6.16%	0.512%
51	14.518	2010	2013	2019	rVB4	17238	27604	1.50%	0.124%
52	14.600	2024	2027	2030	rVB4	7607	9441	0.51%	0.042%
53	14.659	2033	2037	2042	rVB7	12019	19296	1.05%	0.087%
54	14.741	2049	2051	2054	rBV4	7968	8563	0.46%	0.039%
55	14.771	2054	2056	2060	rBV5	5747	7940	0.43%	0.036%
56	14.900	2074	2078	2080	rBV5	20257	24467	1.33%	0.110%
57	15.117	2111	2115	2118	rVB	20853	26609	1.44%	0.120%
58	15.170	2120	2124	2129	rBV2	22004	27761	1.50%	0.125%
59	15.382	2155	2160	2169	rVB2	110872	165360	8.96%	0.744%
60	15.822	2233	2235	2237	rBV3	11778	12160	0.66%	0.055%
61	15.993	2260	2264	2269	rVB	134478	166058	9.00%	0.747%
62	16.110	2279	2284	2289	rBV	215017	272057	14.74%	1.225%
63	16.404	2330	2334	2338	rBV4	59299	83724	4.54%	0.377%
64	16.757	2389	2394	2398	rBV2	398125	575539	31.18%	2.591%
65	16.792	2398	2400	2406	rVB	199205	221021	11.97%	0.995%
66	16.874	2409	2414	2418	rBV	314496	471569	25.55%	2.123%
67	17.056	2440	2445	2451	rVB	259347	402991	21.83%	1.814%
68	17.338	2488	2493	2496	rBV	567071	793447	42.99%	3.572%
69	17.368	2496	2498	2506	rVB	320192	353425	19.15%	1.591%
70	17.479	2511	2517	2523	rVB2	494917	1011659	54.81%	4.554%
71	17.597	2532	2537	2545	rVB2	395060	645211	34.95%	2.904%

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72	17.673	2546	2550	2556	rBV	152832	197537	10.70%	0.889%
73	17.732	2556	2560	2565	rBV	126445	169885	9.20%	0.765%
74	17.891	2583	2587	2593	rBV2	103030	141748	7.68%	0.638%
75	17.955	2593	2598	2603	rVV	1408889	1845848	100.00%	8.309%
76	18.020	2604	2609	2612	rVV	1187090	1556588	84.33%	7.007%
77	18.061	2612	2616	2624	rVB	632474	802846	43.49%	3.614%
78	18.243	2642	2647	2651	rBV	431792	573598	31.08%	2.582%
79	18.290	2651	2655	2661	rVB2	217785	285037	15.44%	1.283%
80	18.384	2667	2671	2674	rVV	241601	295203	15.99%	1.329%
81	18.419	2674	2677	2681	rVB	131637	163625	8.86%	0.737%
82	18.737	2728	2731	2734	rBV	85860	103354	5.60%	0.465%
83	18.813	2737	2744	2753	rVB3	743725	1565746	84.83%	7.048%
84	18.901	2754	2759	2763	rBV2	225593	300789	16.30%	1.354%
85	18.954	2764	2768	2773	rVB	89430	117046	6.34%	0.527%
86	19.025	2775	2780	2787	rBV4	310811	444346	24.07%	2.000%
87	19.101	2787	2793	2799	rVB	704257	1093105	59.22%	4.920%
88	19.166	2800	2804	2809	rVB	429479	524913	28.44%	2.363%
89	19.236	2813	2816	2821	rBV5	77658	95483	5.17%	0.430%
90	19.289	2822	2825	2828	rBV3	95740	139365	7.55%	0.627%
91	19.365	2834	2838	2843	rVB2	173466	224551	12.17%	1.011%
92	19.442	2849	2851	2855	rVB3	105902	114276	6.19%	0.514%
93	19.553	2863	2870	2877	rVB	887254	1163412	63.03%	5.237%
94	19.812	2910	2914	2920	rVB2	407817	525250	28.46%	2.364%
95	19.871	2920	2924	2928	rBV	484410	540613	29.29%	2.433%
96	20.100	2959	2963	2967	rBV	372516	412833	22.37%	1.858%
97	20.147	2968	2971	2974	rBV2	197018	211608	11.46%	0.953%
98	20.417	3010	3017	3022	rBV3	215917	448748	24.31%	2.020%
99	21.016	3116	3119	3125	rVB	397373	438119	23.74%	1.972%
100	21.087	3129	3131	3135	rVV2	150962	173014	9.37%	0.779%

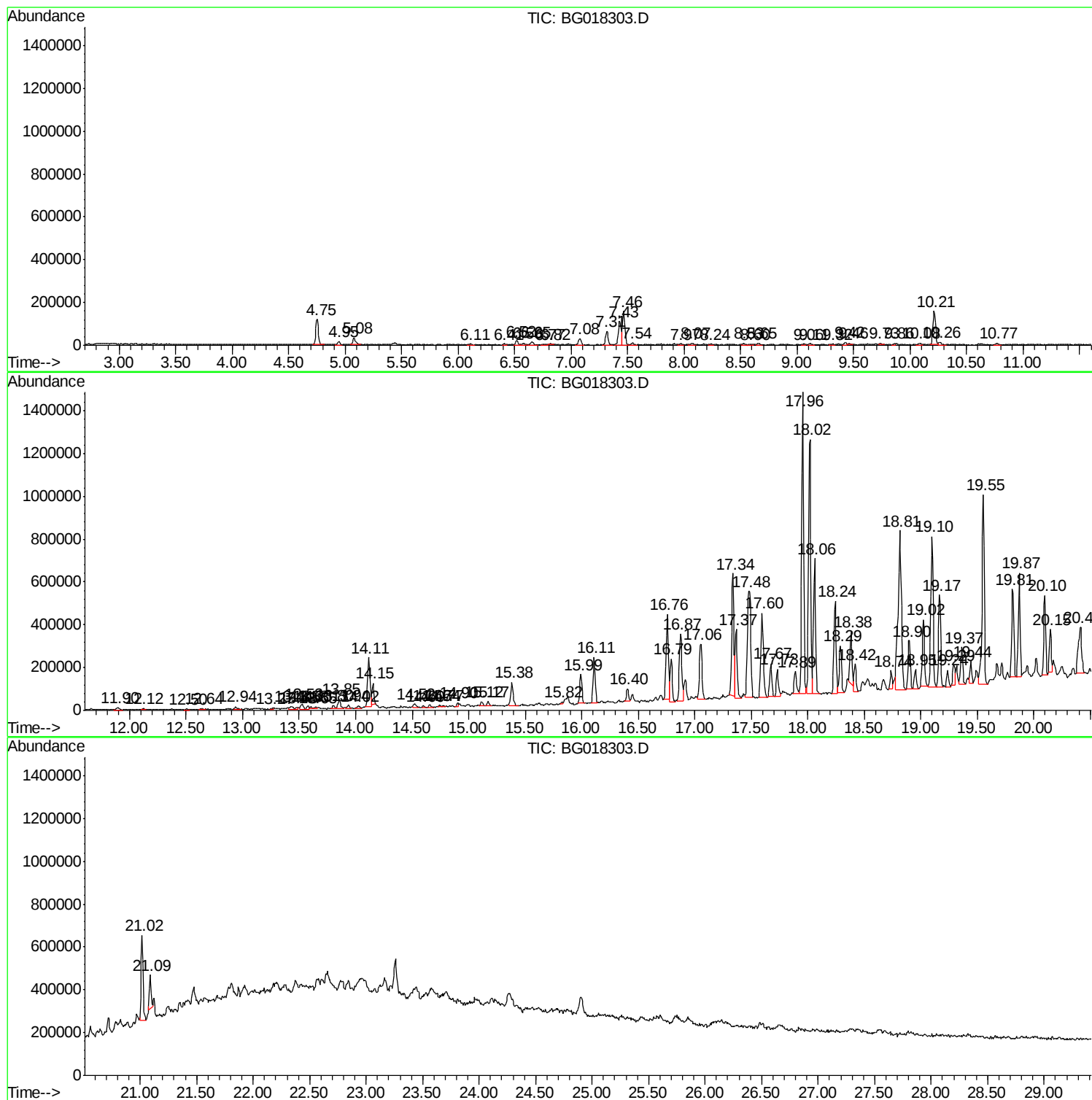
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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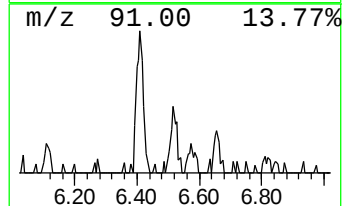
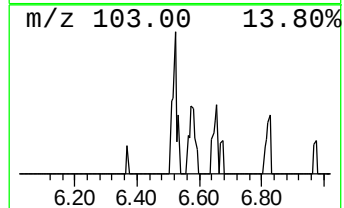
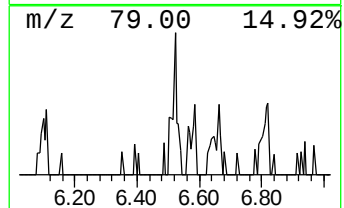
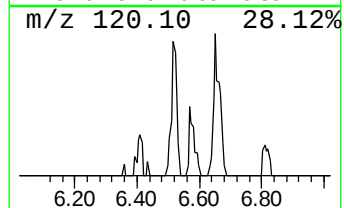
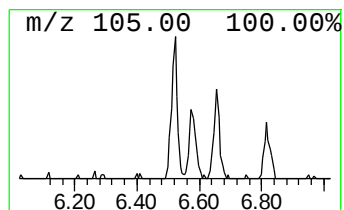
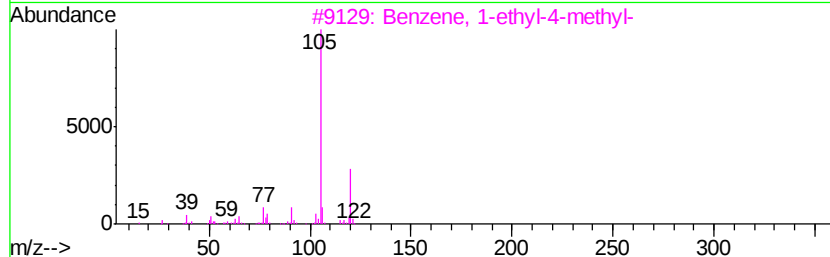
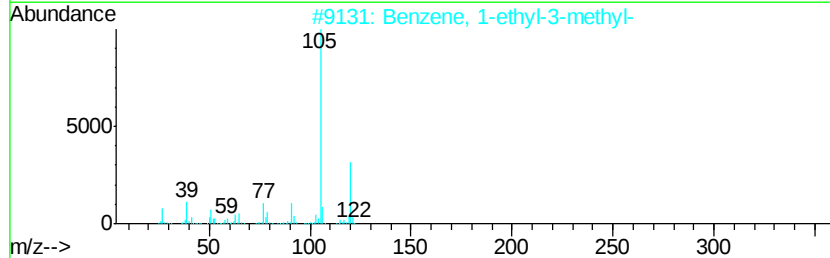
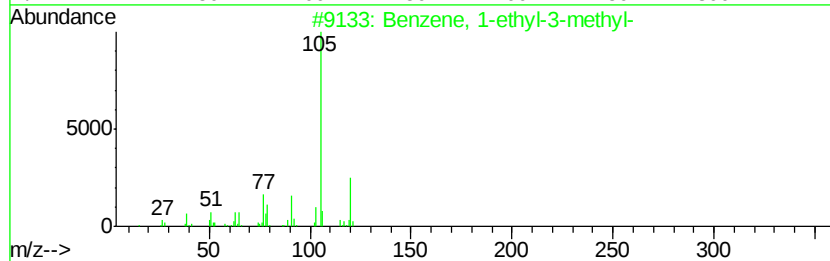
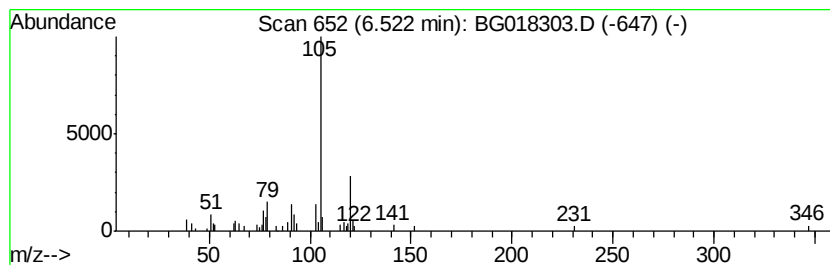
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	2.99 ng/ul	27572	1,4-Dichlorobenzene-d4	7.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72



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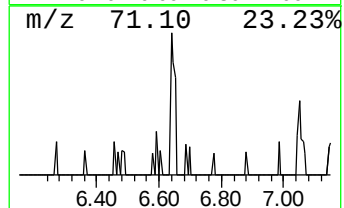
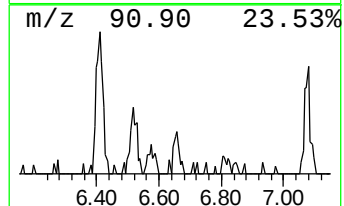
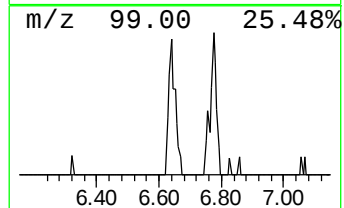
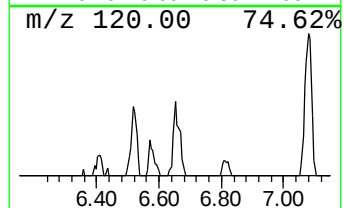
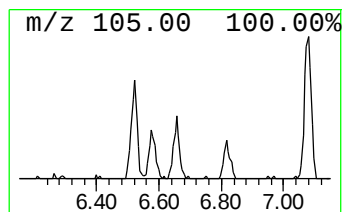
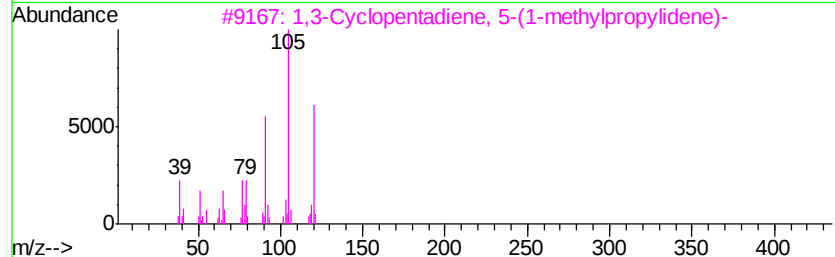
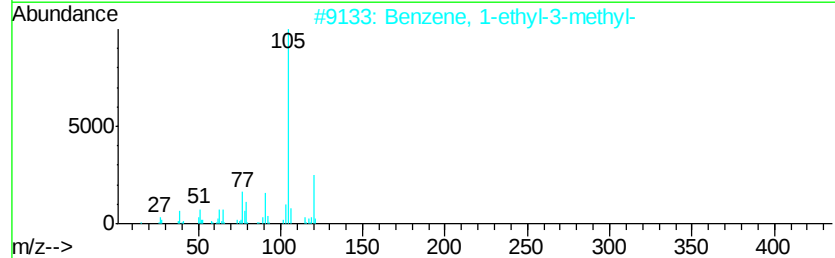
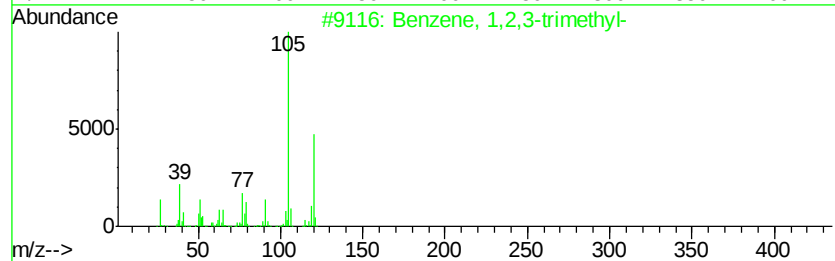
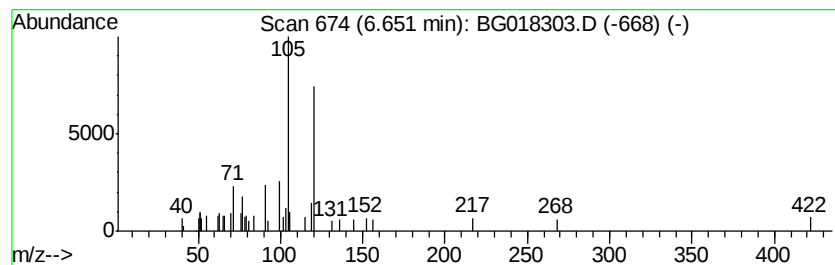
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	3.05 ng/ul	28115	1,4-Dichlorobenzene-d4	7.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	59
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	59
3		1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	59
4		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	58
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58



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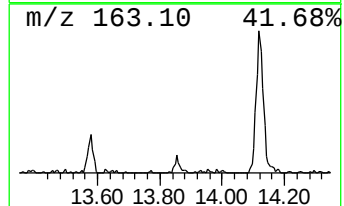
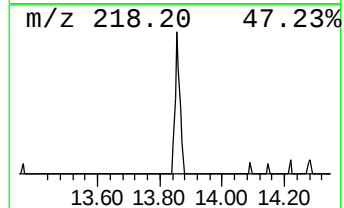
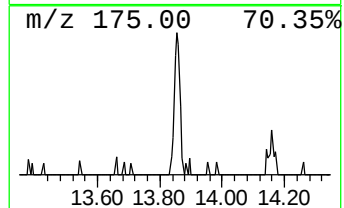
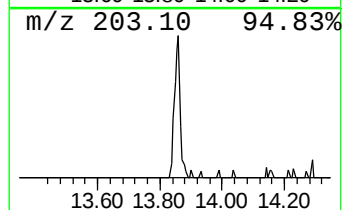
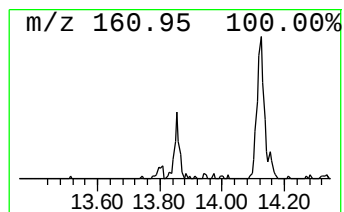
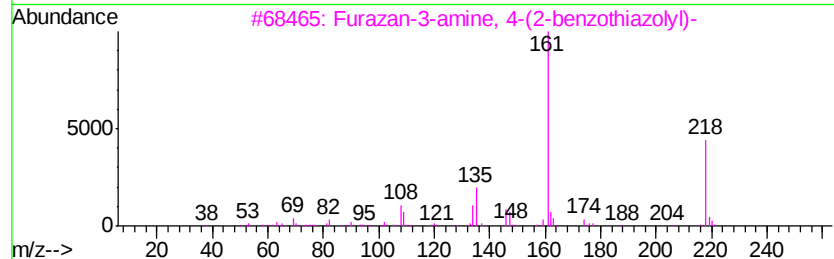
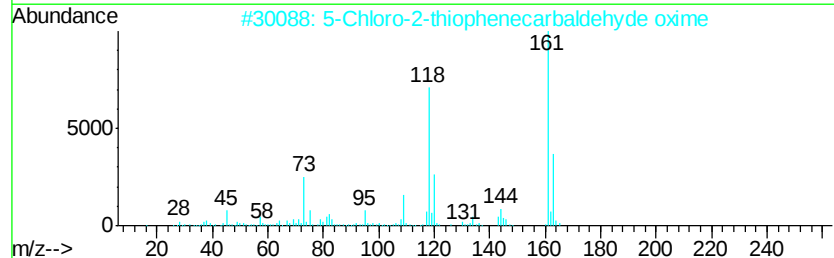
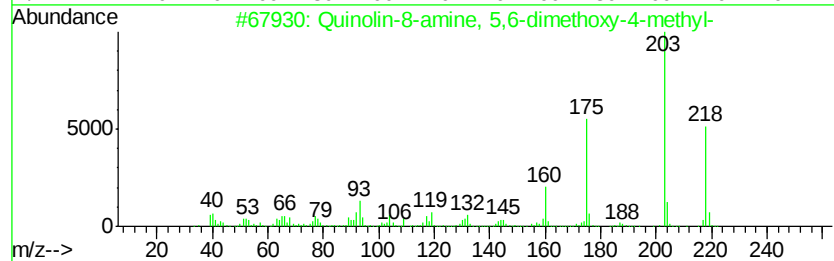
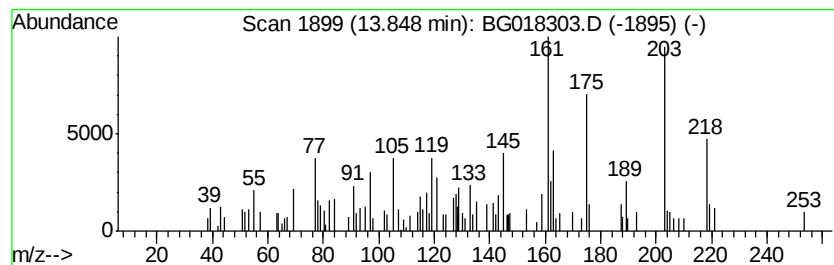
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TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	4.11 ng/ul	74277	Acenaphthene-d10	14.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Quinolin-8-amine, 5,6-dimethoxyv...	218	C12H14N2O2	064992-95-6	38
2			5-Chloro-2-thiophenecarbaldehyde...	161	C5H4ClNOS	014345-95-0	30
3			Furazan-3-amine, 4-(2-benzothiaz...	218	C9H6N4OS	346646-10-4	30
4			(3-Methoxy-1-methylbut-1-enyl)be...	176	C12H16O	1000211-11-4	25
5			Dihydrocoumarin, 4,4,5,7,8-penta...	218	C14H18O2	039170-97-3	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

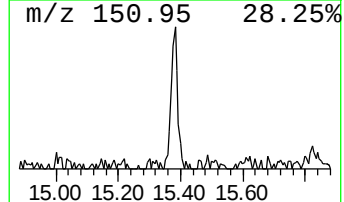
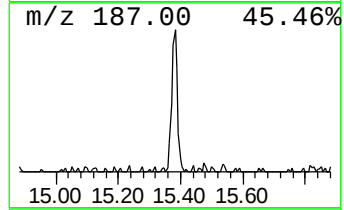
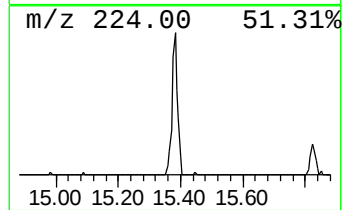
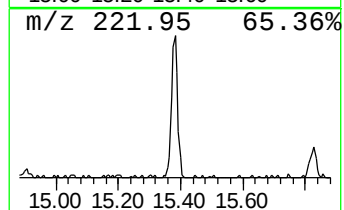
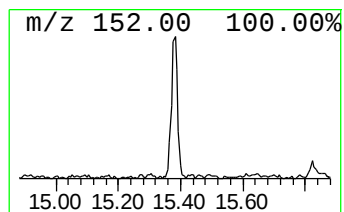
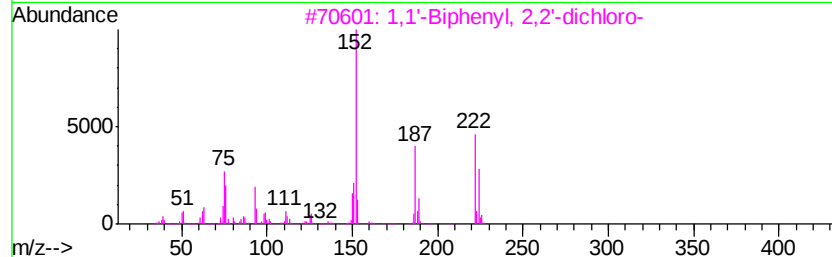
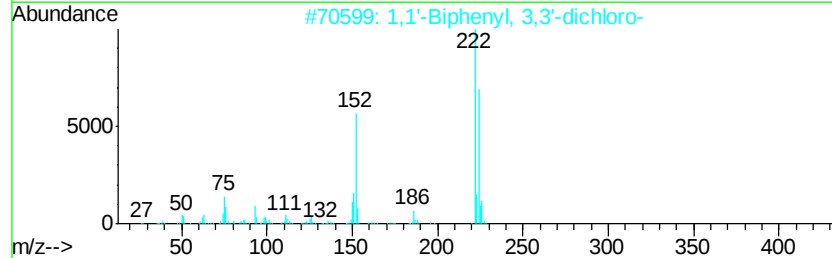
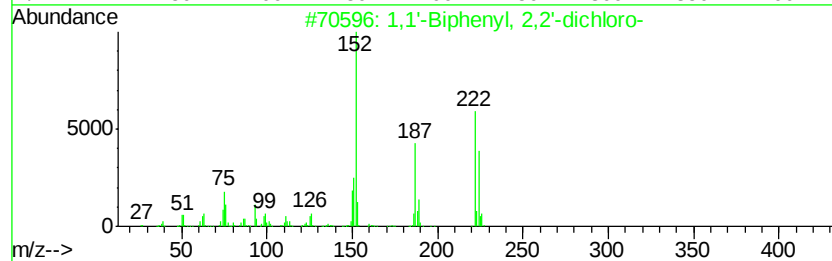
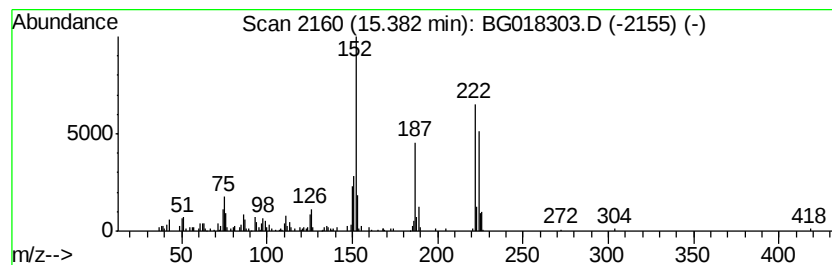
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	9.14 ng/ul	165360	Acenaphthene-d10	14.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
2		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	93
3		1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	91
4		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	91
5		1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

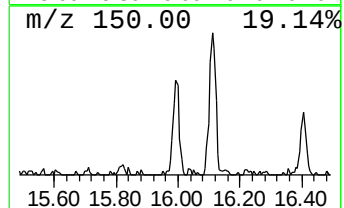
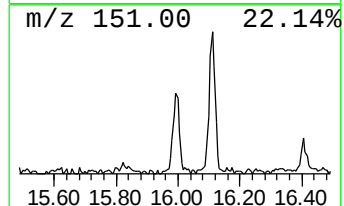
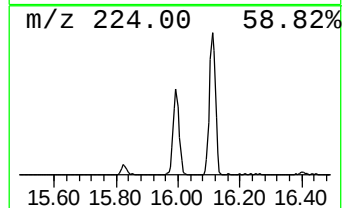
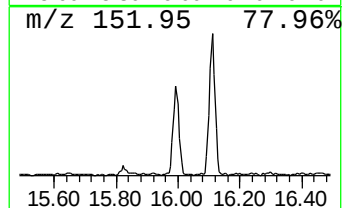
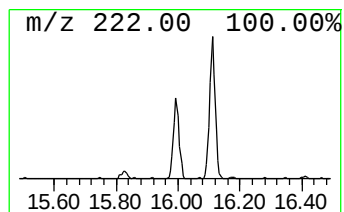
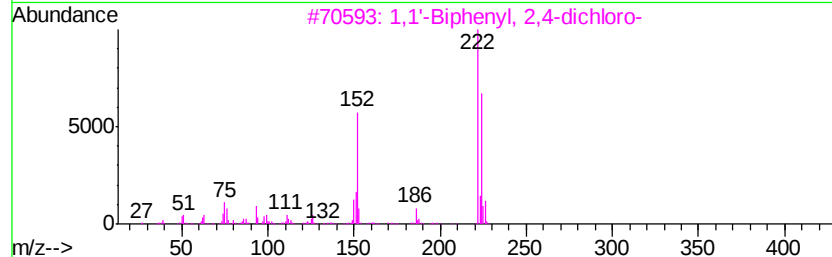
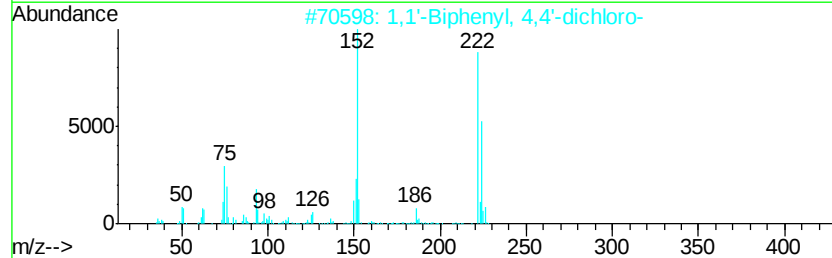
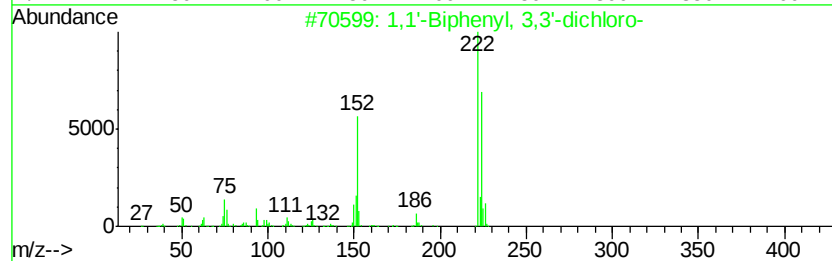
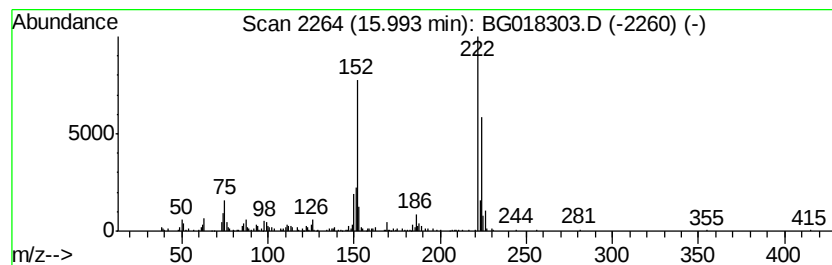
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	7.04 ng/ul	166058	Phenanthrene-d10	16.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
2			1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
3			1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	94
4			1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	94
5			1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

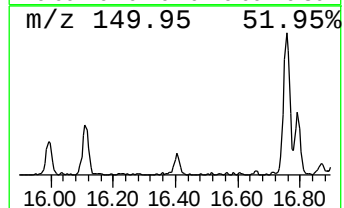
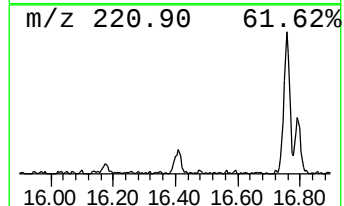
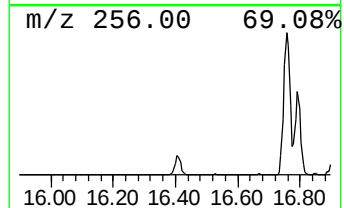
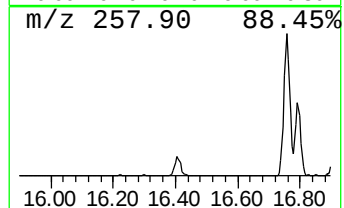
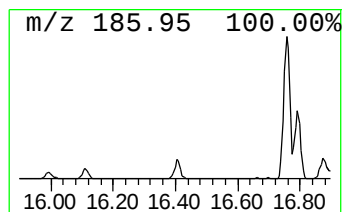
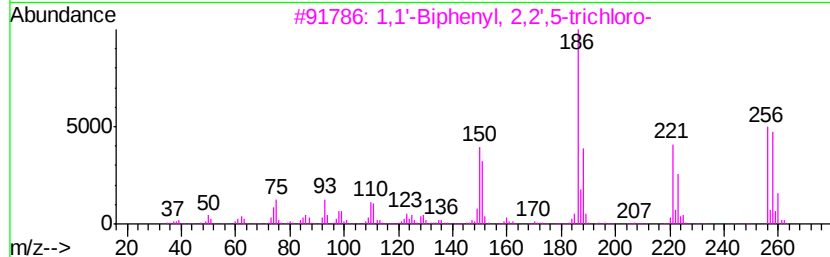
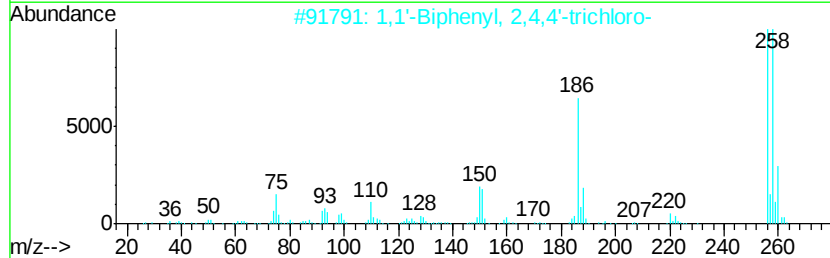
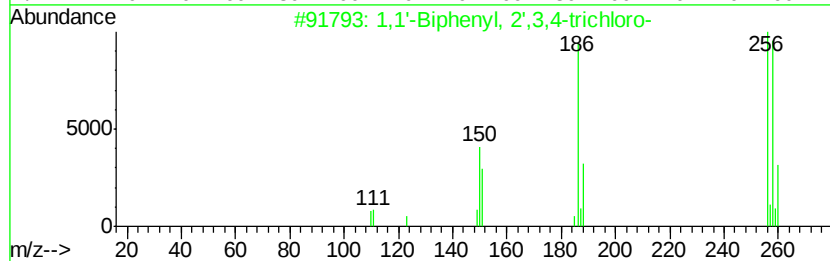
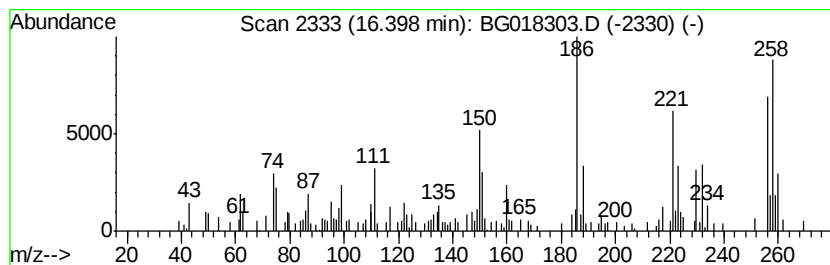
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.40	3.55 ng/ul	83724	Phenanthrene-d10	16.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	90
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	89
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

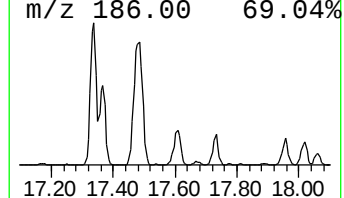
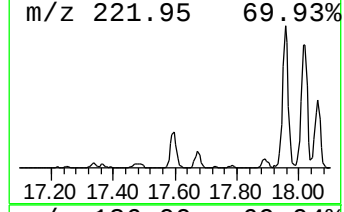
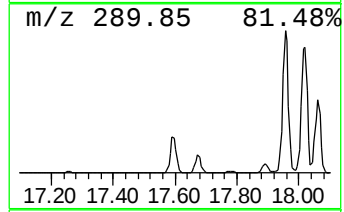
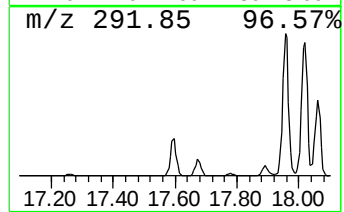
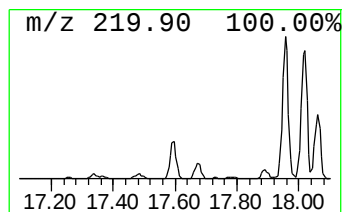
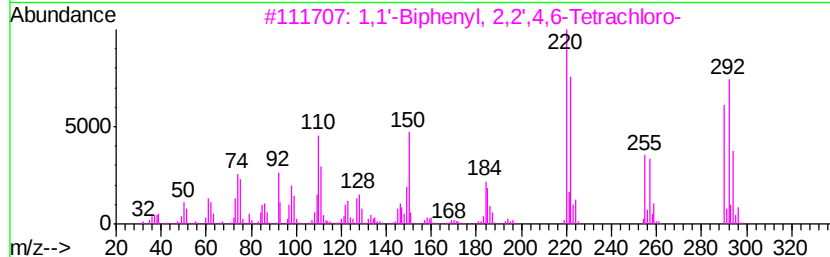
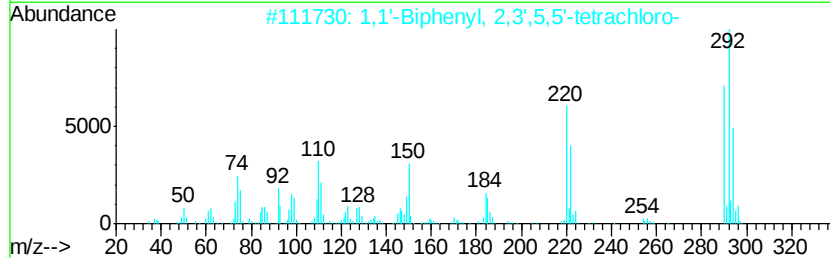
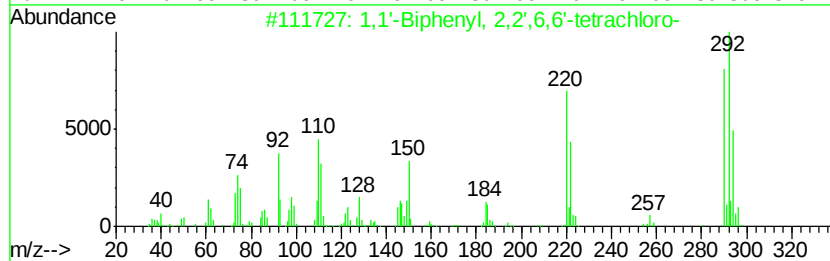
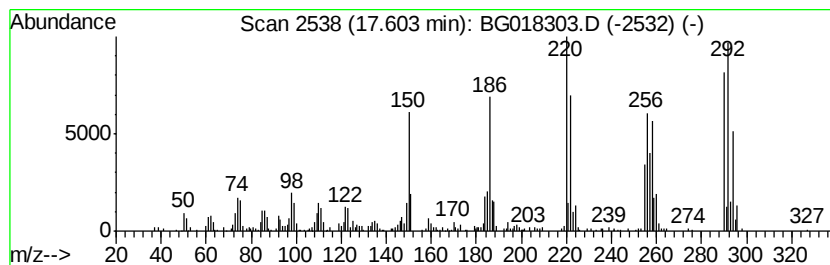
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.60	27.36 ng/ul	645211	Phenanthrene-d10	16.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrachl...	290	C12H6Cl4	015968-05-5	99	
2	1,1'-Biphenyl, 2,3',5,5'-tetrachl...	290	C12H6Cl4	041464-42-0	99	
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99	
4	1,1'-Biphenyl, 2,2',4,4'-tetrachl...	290	C12H6Cl4	002437-79-8	99	
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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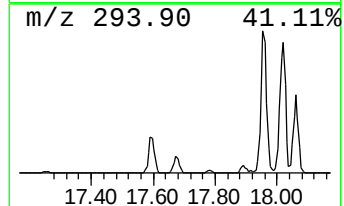
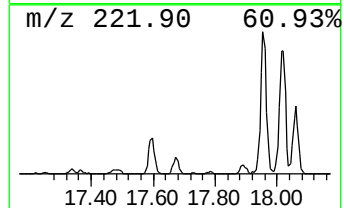
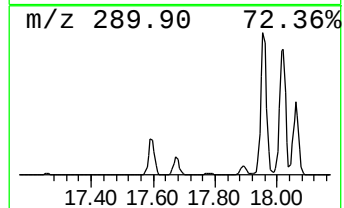
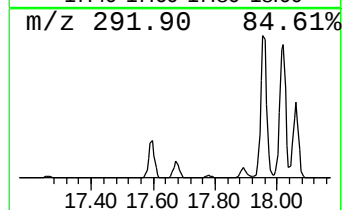
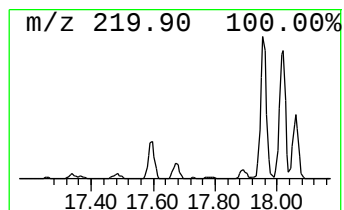
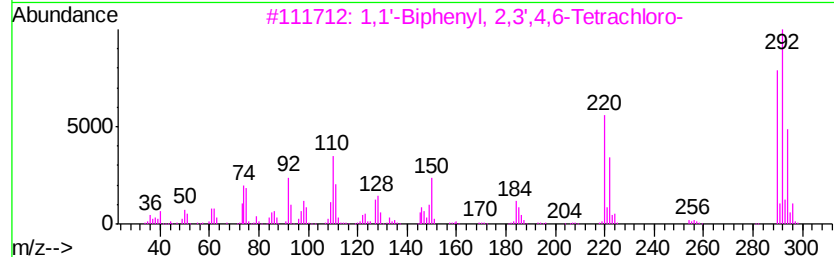
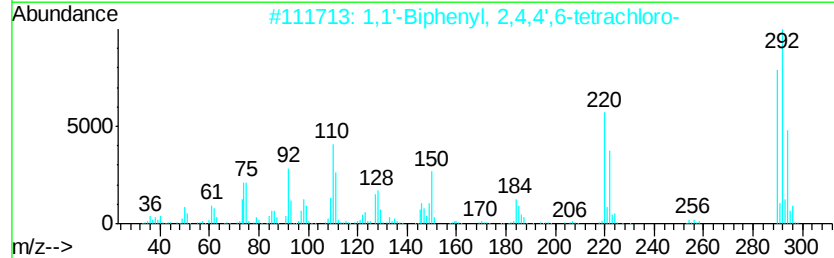
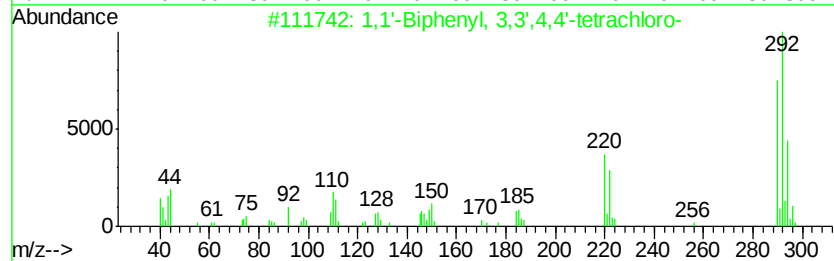
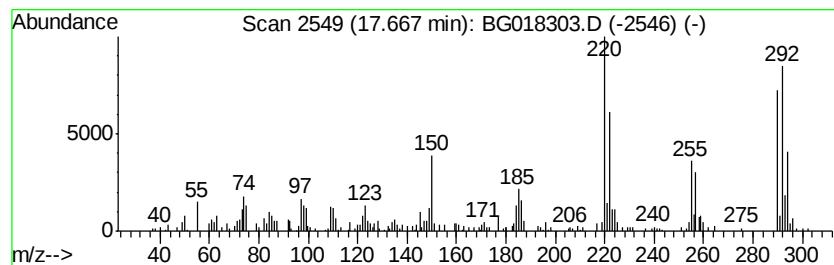
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	8.38 ng/ul	197537	Phenanthrene-d10	16.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
2			1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95
3			1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	95
4			1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	94
5			1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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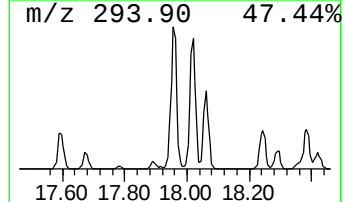
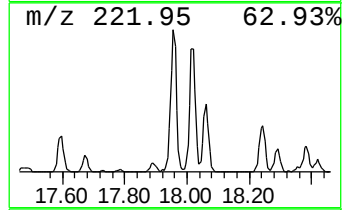
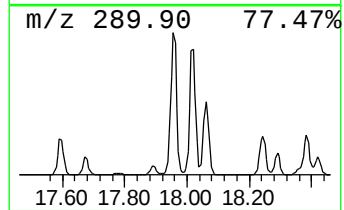
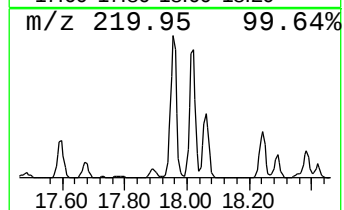
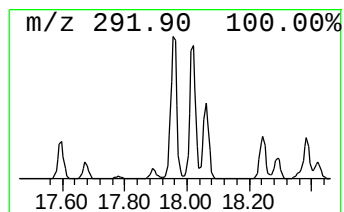
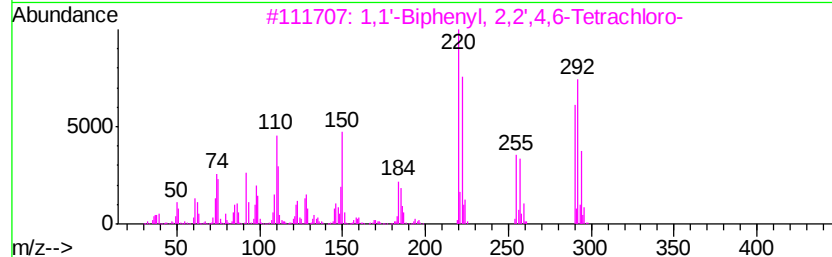
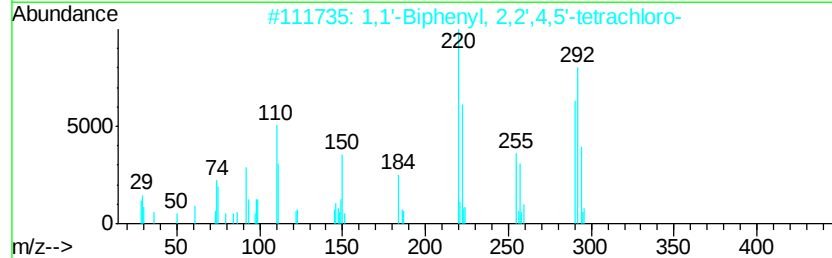
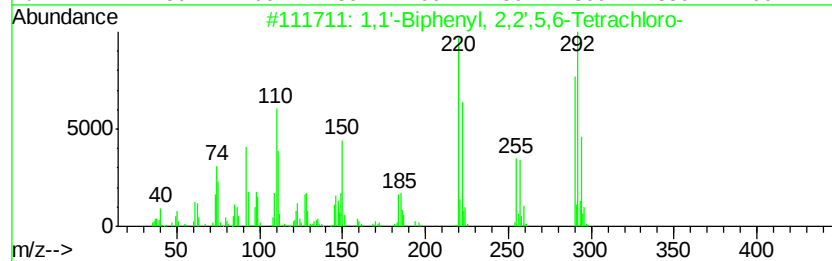
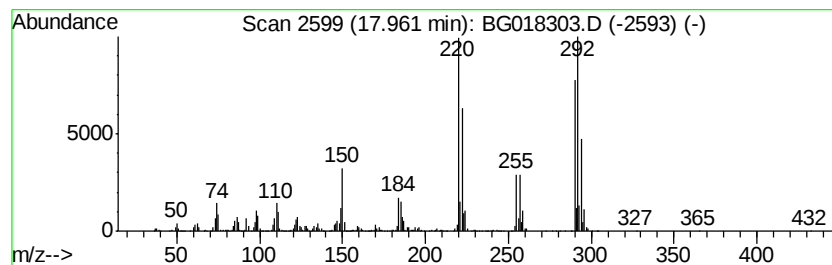
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	78.29 ng/ul	1845850	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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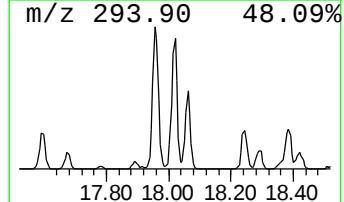
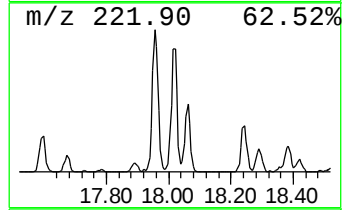
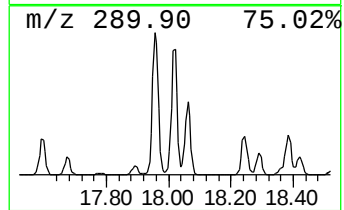
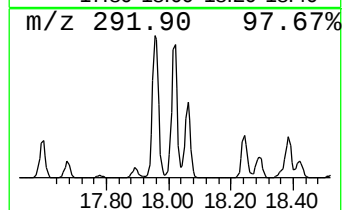
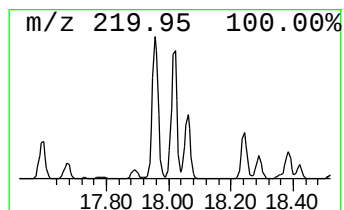
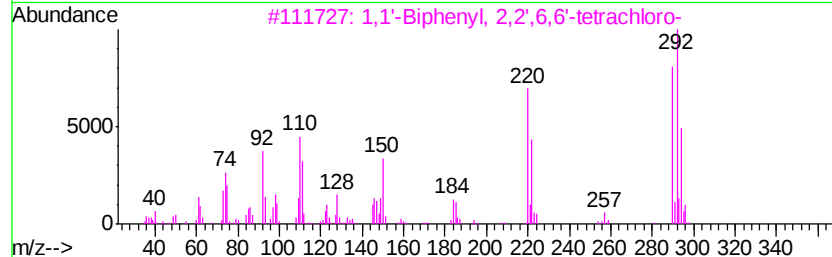
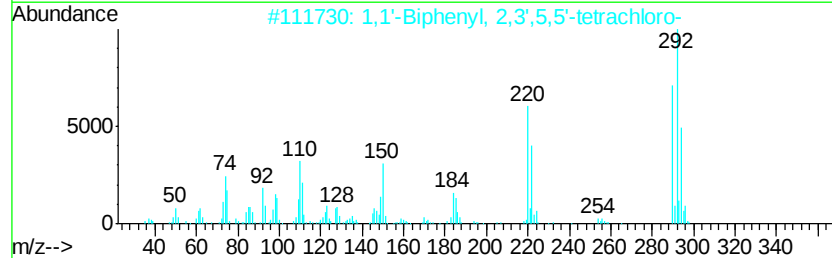
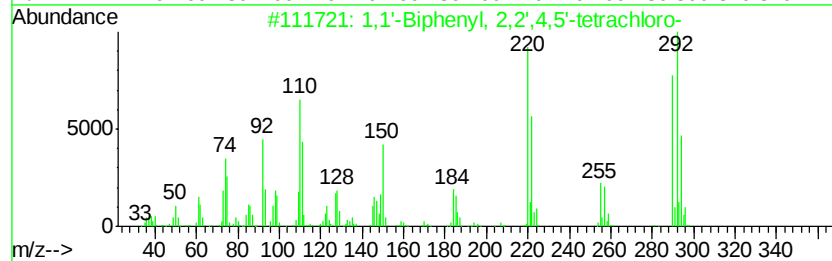
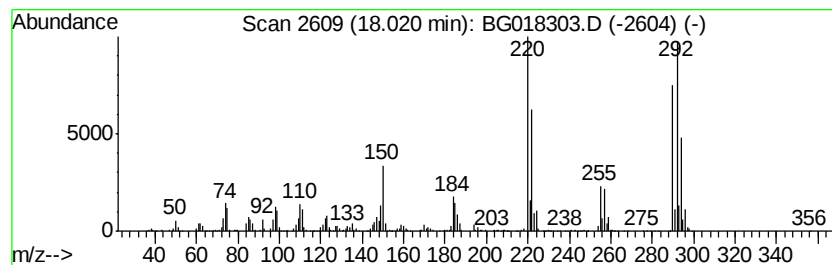
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	66.02 ng/ul	1556590	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2		1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

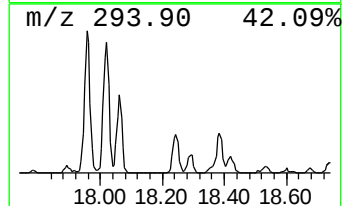
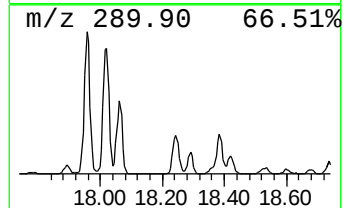
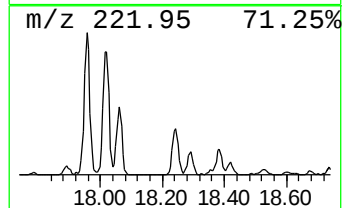
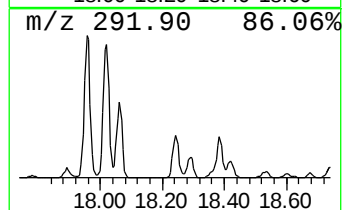
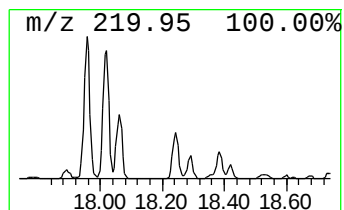
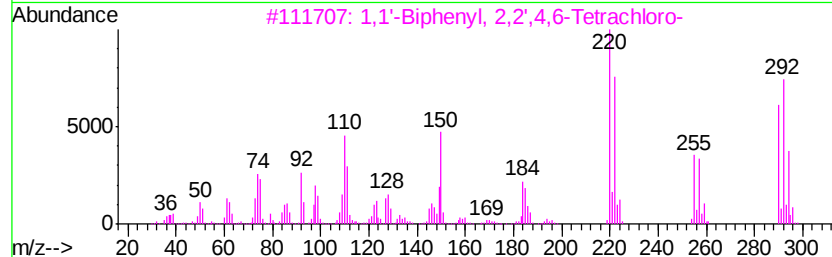
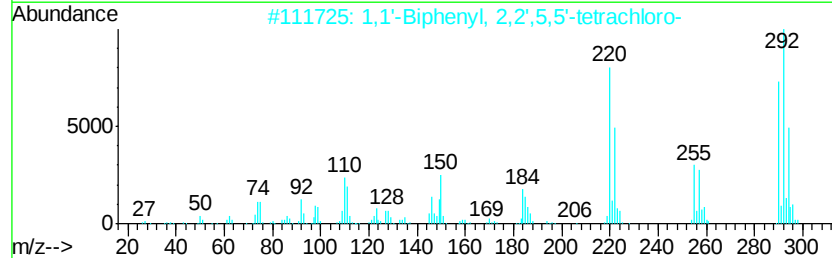
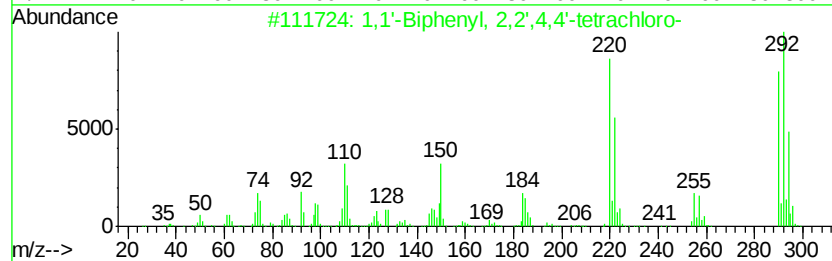
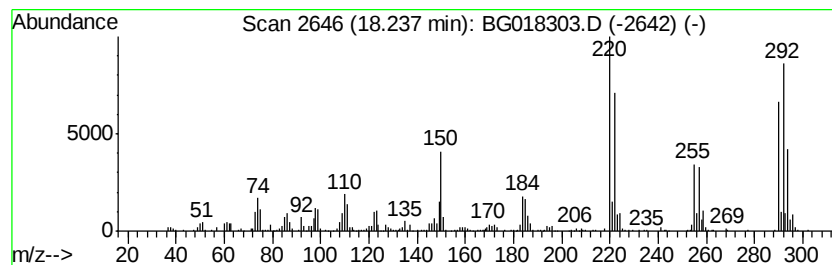
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	24.33 ng/ul	573598	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
5		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

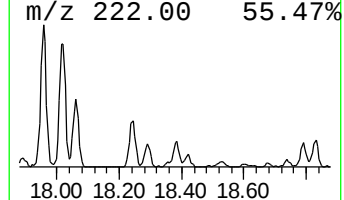
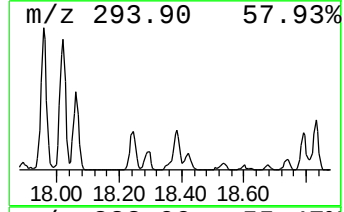
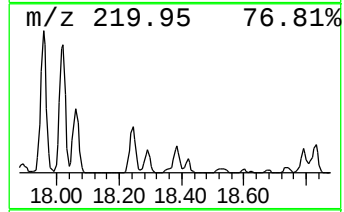
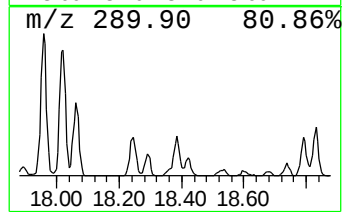
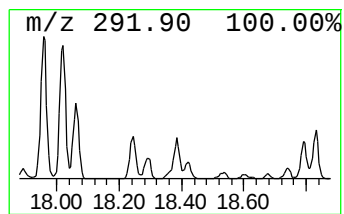
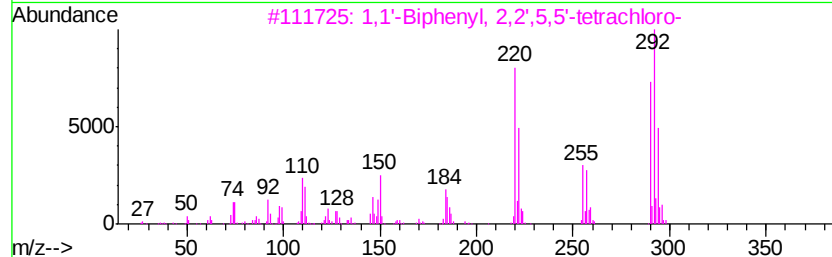
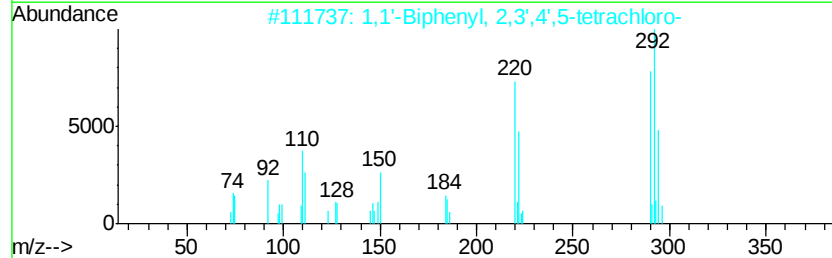
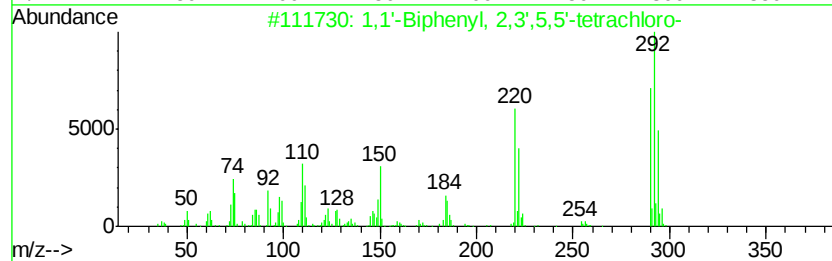
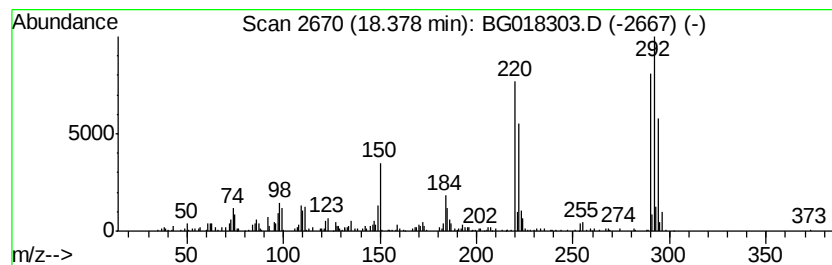
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	12.52 ng/ul	295203	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95
2		1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
3		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
4		1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
5		1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

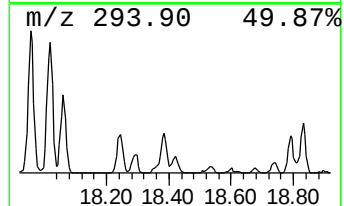
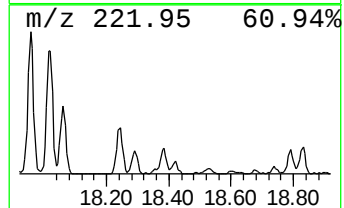
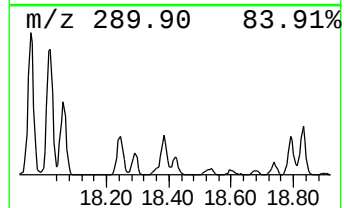
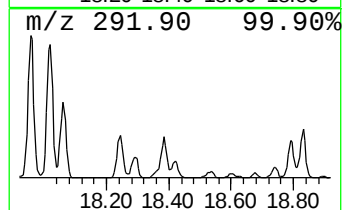
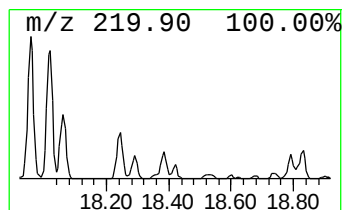
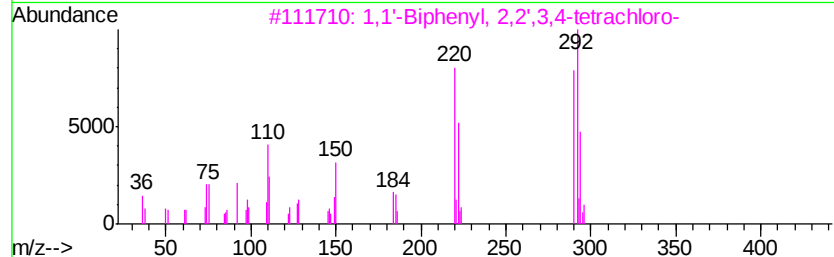
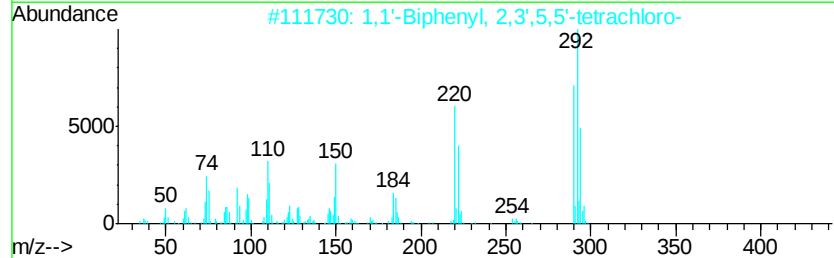
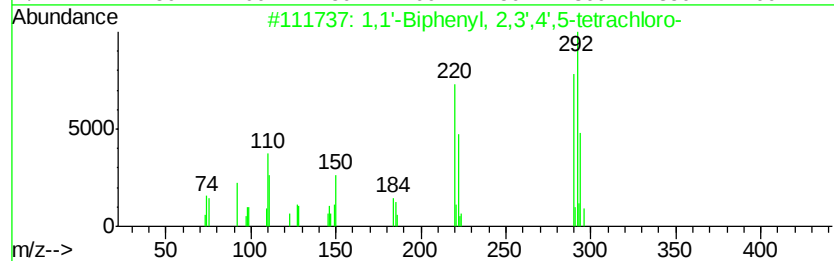
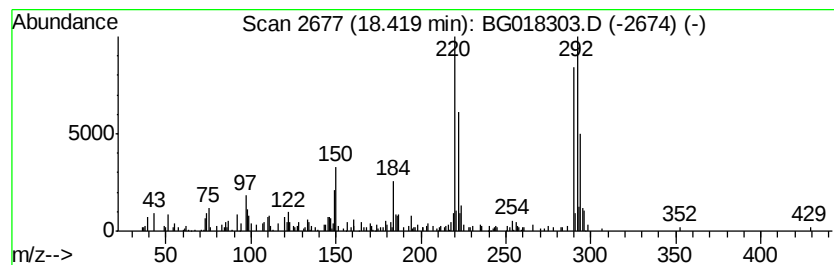
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.94 ng/ul	163625	Phenanthrene-d10	16.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl	2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
2	1,1'	-Biphenyl	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95
3	1,1'	-Biphenyl	2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	95
4	1,1'	-Biphenyl	2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	95
5	1,1'	-Biphenyl	2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

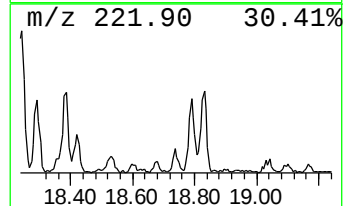
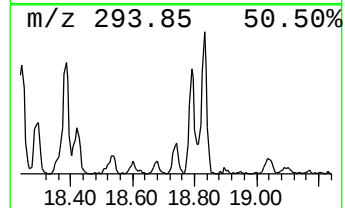
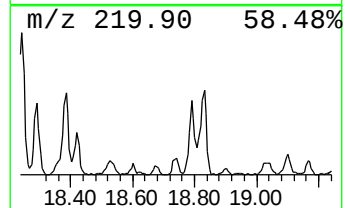
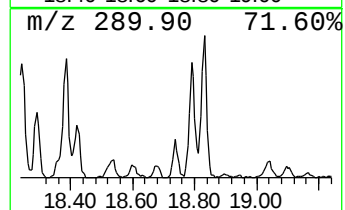
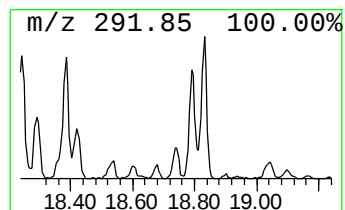
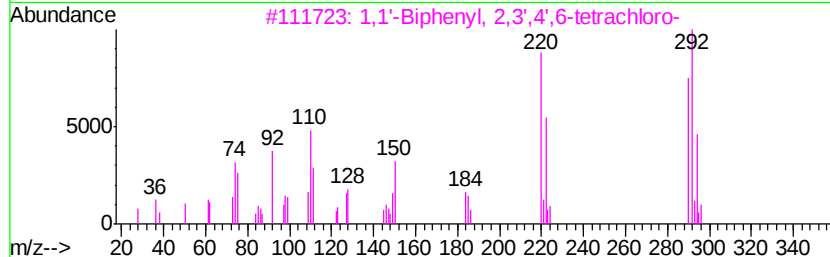
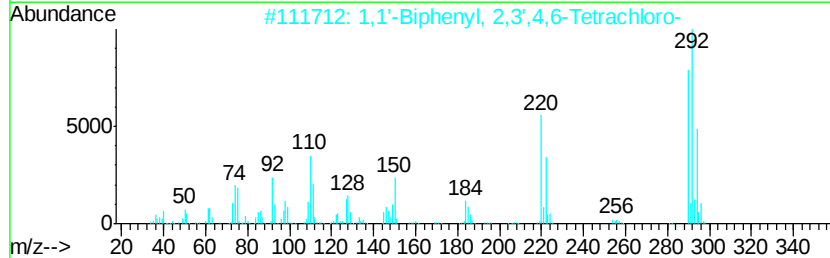
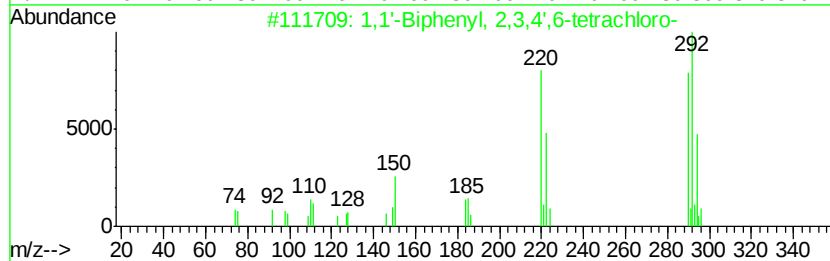
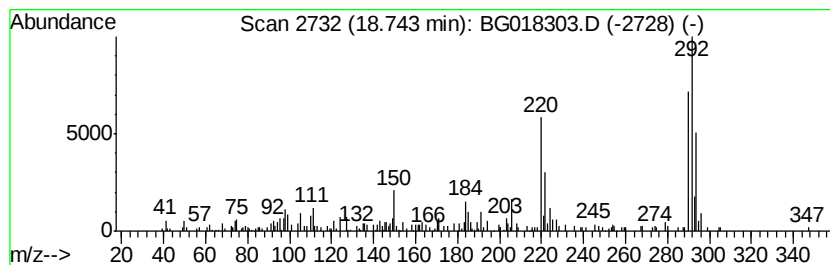
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.38 ng/ul	103354	Phenanthrene-d10	16.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
2	1,1'	-Biphenyl,	2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	95
3	1,1'	-Biphenyl,	2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	93
4	1,1'	-Biphenyl,	2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	93
5	1,1'	-Biphenyl,	2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

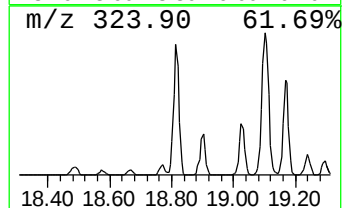
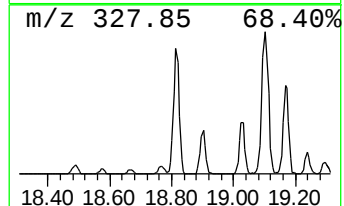
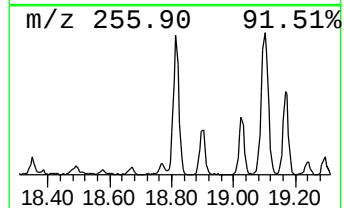
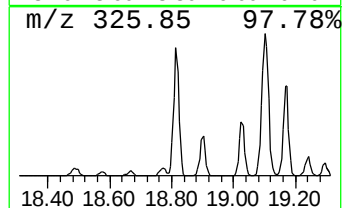
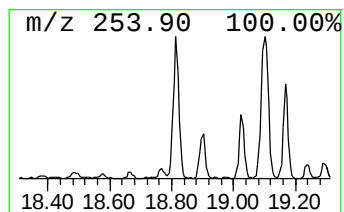
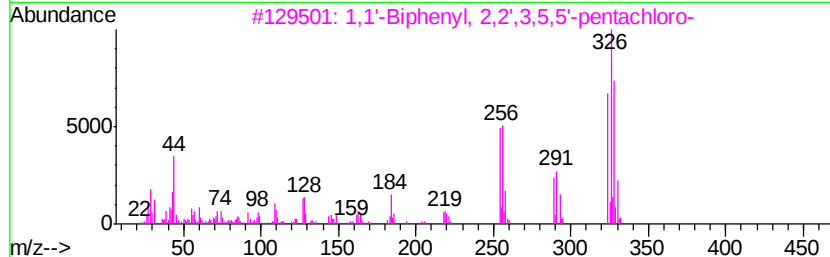
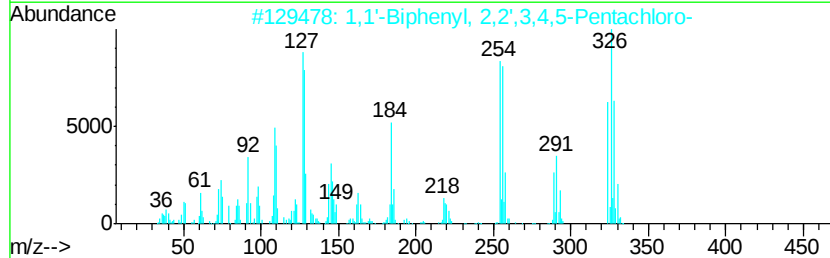
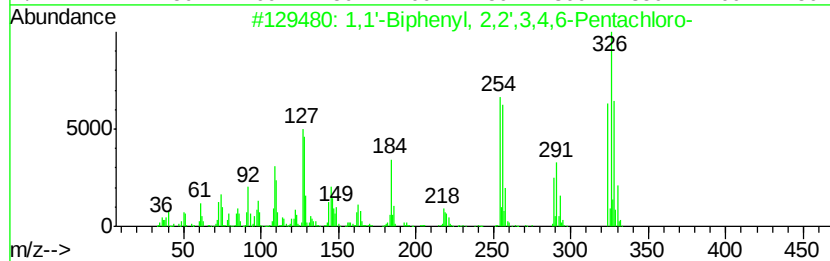
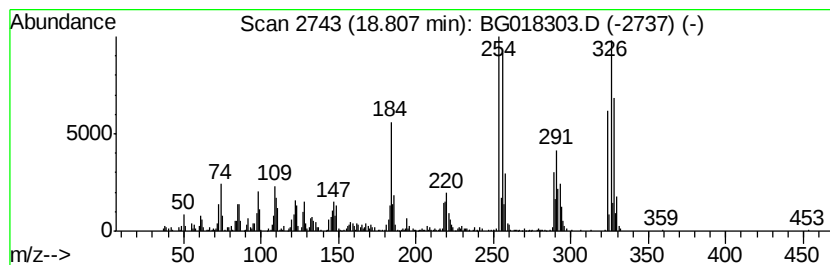
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	66.41 ng/ul	1565750	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
2		1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	95
3		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95
4		1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

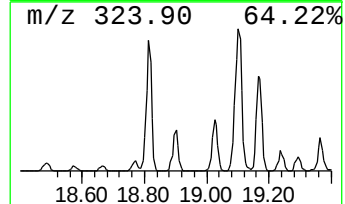
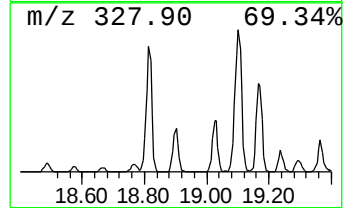
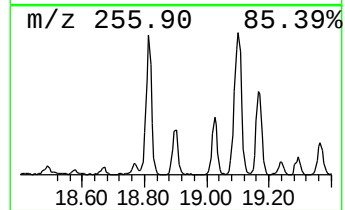
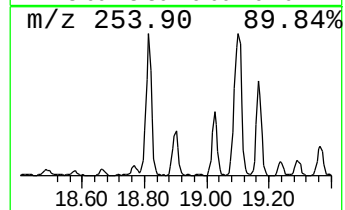
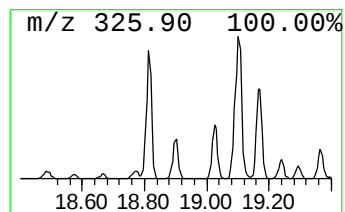
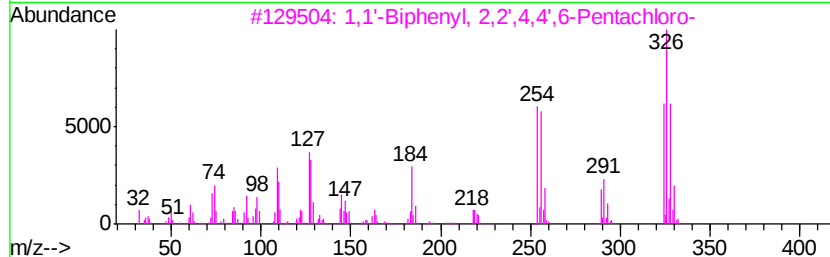
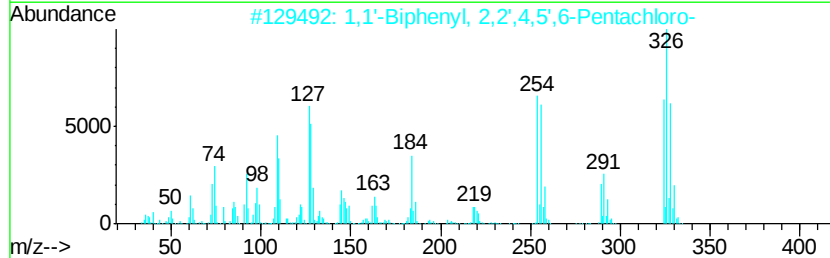
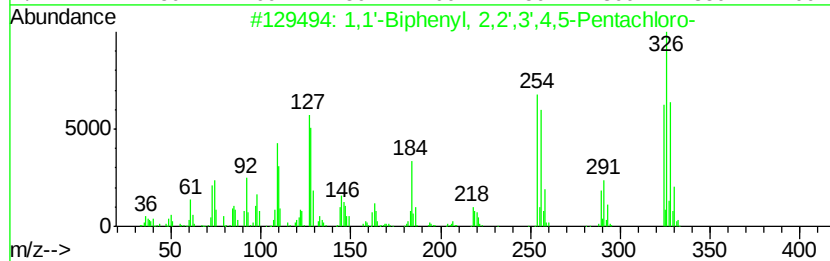
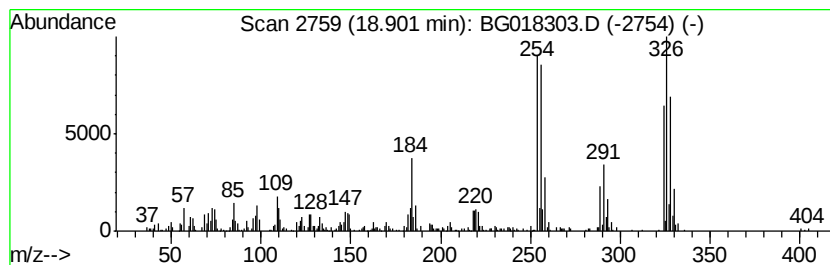
Instrument :
BNA_G
ClientSampleId :
C01P8DL

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 31 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.90	12.76 ng/ul	300789	Phenanthrene-d10	16.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96
2	1,1'	-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	96
3	1,1'	-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
4	1,1'	-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
5	1,1'	-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

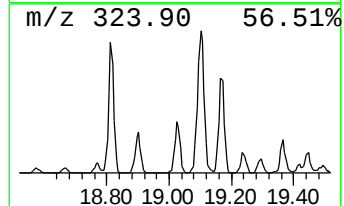
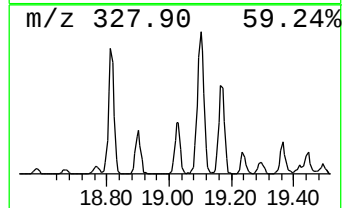
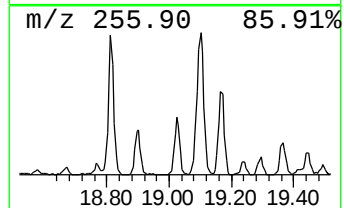
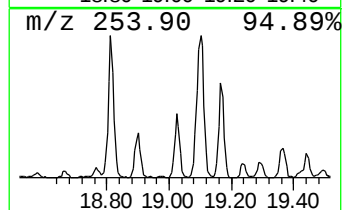
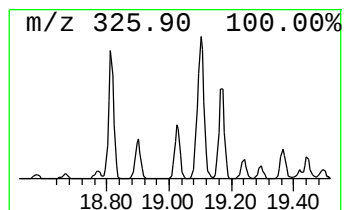
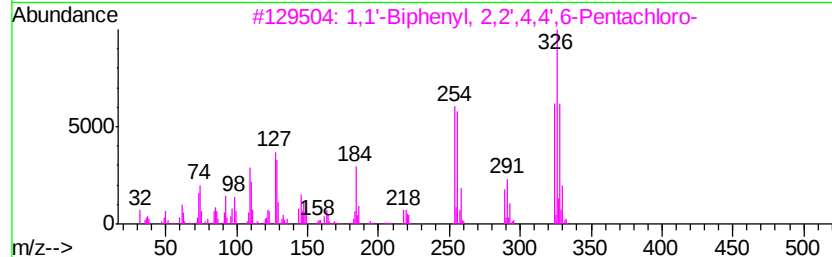
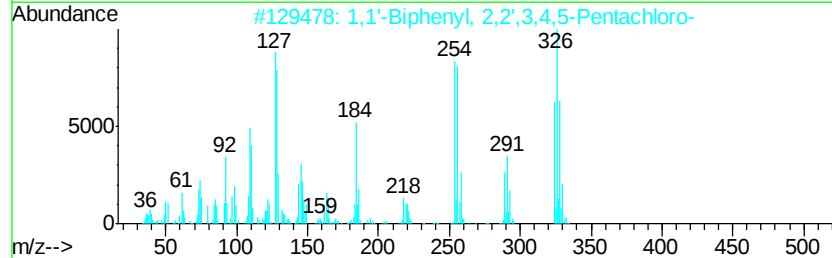
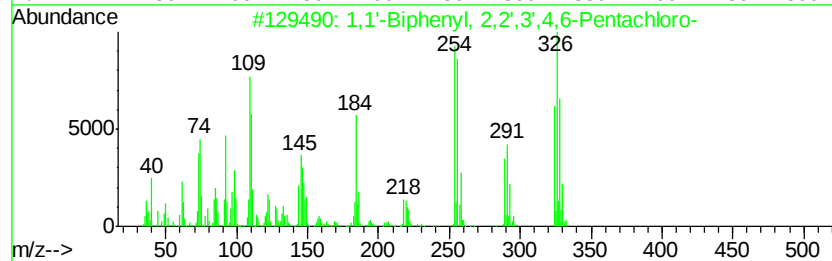
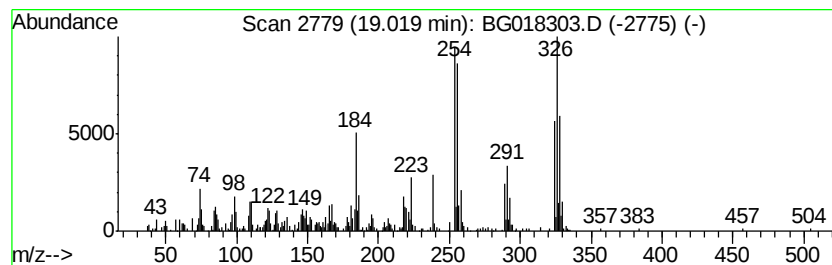
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 1,1'-Biphenyl, 2,2',3',4,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	51.37 ng/ul	444346	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96
2		1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	96
3		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
4		1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
5		1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P8DL

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-ethyl-...	6.52	3.0	ng/ul	27572	1	7.43	184227	20.0
Benzene, 1,2,3-tr...	6.65	3.0	ng/ul	28115	1	7.43	184227	20.0
unknown-01	13.85	4.1	ng/ul	74277	3	14.11	361741	20.0
1,1'-Biphenyl, 2,...	15.38	9.1	ng/ul	165360	3	14.11	361741	20.0
1,1'-Biphenyl, 3,...	15.99	7.0	ng/ul	166058	4	16.87	471569	20.0
1,1'-Biphenyl, 2'...	16.40	3.5	ng/ul	83724	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	17.60	27.4	ng/ul	645211	4	16.87	471569	20.0
1,1'-Biphenyl, 3,...	17.67	8.4	ng/ul	197537	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	17.96	78.3	ng/ul	1845850	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.02	66.0	ng/ul	1556590	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.24	24.3	ng/ul	573598	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.38	12.5	ng/ul	295203	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.42	6.9	ng/ul	163625	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.74	4.4	ng/ul	103354	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.81	66.4	ng/ul	1565750	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	18.90	12.8	ng/ul	300789	4	16.87	471569	20.0
1,1'-Biphenyl, 2,...	19.02	51.4	ng/ul	444346	5	21.09	173014	20.0