

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

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-BG073115.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	4.783	349	356	367	rBV	2007131	2945550	8.98%	0.702%
2	4.976	381	389	395	rBV	211240	315917	0.96%	0.075%
3	5.106	405	411	423	rVB	503491	893609	2.72%	0.213%
4	5.470	464	473	481	rVB3	136720	289155	0.88%	0.069%
5	6.545	651	656	661	rVV	284985	409105	1.25%	0.097%
6	6.604	661	666	672	rVB	159139	245037	0.75%	0.058%
7	6.680	672	679	685	rVB2	224313	392800	1.20%	0.094%
8	7.103	743	751	759	rBV	518088	861169	2.62%	0.205%
9	7.344	785	792	801	rBV	1093007	1711211	5.21%	0.408%
10	7.497	812	818	825	rVB	2836985	4278102	13.04%	1.019%
11	7.567	825	830	839	rVB2	133704	216991	0.66%	0.052%
12	8.090	914	919	926	rBV2	126119	212712	0.65%	0.051%
13	8.555	988	998	1003	rVV	115683	211788	0.65%	0.050%
14	8.684	1016	1020	1028	rVB2	151181	229522	0.70%	0.055%
15	9.448	1145	1150	1154	rVV2	168447	295005	0.90%	0.070%
16	9.882	1219	1224	1233	rBV5	95140	243540	0.74%	0.058%
17	10.112	1258	1263	1267	rVV	161236	272846	0.83%	0.065%
18	10.241	1274	1285	1289	rVV2	284017	599766	1.83%	0.143%
19	10.294	1289	1294	1301	rVV	217642	401522	1.22%	0.096%
20	10.793	1372	1379	1387	rBV4	116277	225387	0.69%	0.054%
21	11.921	1566	1571	1578	rVB	176105	285169	0.87%	0.068%
22	12.961	1744	1748	1755	rVB2	136785	212585	0.65%	0.051%
23	13.549	1844	1848	1853	rVB2	272341	400480	1.22%	0.095%
24	13.831	1892	1896	1899	rVV	150740	211780	0.65%	0.050%
25	13.878	1899	1904	1911	rVV3	304532	529312	1.61%	0.126%
26	13.960	1914	1918	1927	rVB2	189541	288194	0.88%	0.069%
27	14.048	1927	1933	1938	rBV4	152563	286120	0.87%	0.068%
28	14.142	1944	1949	1951	rVV2	345185	553246	1.69%	0.132%
29	14.177	1951	1955	1967	rVV2	1492804	2379083	7.25%	0.567%
30	14.548	2014	2018	2023	rVB2	174069	286299	0.87%	0.068%
31	14.677	2036	2040	2047	rBV5	137203	204317	0.62%	0.049%
32	14.771	2052	2056	2063	rBV7	87864	212559	0.65%	0.051%
33	14.929	2078	2083	2086	rBV5	205885	355058	1.08%	0.085%
34	15.141	2116	2119	2124	rVB	200962	276484	0.84%	0.066%

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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Title : SVOA CALIBRATION

35	15.200	2124	2129	2133	rBV2	244819	383031	1.17%	0.091%
36	15.411	2159	2165	2174	rVB	1271006	1915037	5.84%	0.456%
37	16.022	2264	2269	2273	rBV	1477306	1825524	5.56%	0.435%
38	16.140	2283	2289	2295	rBV	2419821	3159521	9.63%	0.753%
39	16.434	2335	2339	2343	rBV	696806	898375	2.74%	0.214%
40	16.481	2343	2347	2351	rVB2	329554	440460	1.34%	0.105%
41	16.680	2378	2381	2385	rBV3	157384	219111	0.67%	0.052%
42	16.727	2385	2389	2393	rVV3	303516	432175	1.32%	0.103%
43	16.798	2394	2401	2404	rVV2	4797313	7420570	22.61%	1.768%
44	16.827	2404	2406	2411	rVB	2316962	2597551	7.91%	0.619%
45	16.904	2414	2419	2422	rBV2	815962	1174969	3.58%	0.280%
46	16.951	2422	2427	2432	rVB	868434	1580538	4.82%	0.377%
47	17.086	2445	2450	2459	rVB2	3167980	4994670	15.22%	1.190%
48	17.280	2480	2483	2487	rBV5	170103	236548	0.72%	0.056%
49	17.380	2493	2500	2503	rBV	6671040	10995908	33.50%	2.620%
50	17.409	2503	2505	2512	rVB	5013206	4837804	14.74%	1.153%
51	17.532	2517	2526	2531	rVB	6884601	14213901	43.31%	3.386%
52	17.638	2538	2544	2550	rVB2	5297384	8715995	26.56%	2.077%
53	17.709	2551	2556	2561	rBV	2005215	2552791	7.78%	0.608%
54	17.767	2562	2566	2570	rBV	1315885	1700467	5.18%	0.405%
55	17.926	2587	2593	2596	rBV2	1234330	1753634	5.34%	0.418%
56	18.014	2599	2608	2612	rVV	17891908	32819292	100.00%	7.819%
57	18.079	2612	2619	2622	rVV	18459606	28300870	86.23%	6.742%
58	18.120	2622	2626	2630	rVB	11356278	13462928	41.02%	3.207%
59	18.290	2648	2655	2658	rBV	6405344	8653482	26.37%	2.062%
60	18.331	2658	2662	2667	rVB	3280282	3945761	12.02%	0.940%
61	18.425	2669	2678	2681	rBV	4386043	6156799	18.76%	1.467%
62	18.461	2681	2684	2689	rVB	1582433	1917139	5.84%	0.457%
63	18.525	2691	2695	2697	rBV	517917	718283	2.19%	0.171%
64	18.707	2721	2726	2733	rBV4	457814	1003355	3.06%	0.239%
65	18.778	2733	2738	2741	rBV2	901343	1482536	4.52%	0.353%
66	18.860	2744	2752	2761	rVB2	11977517	29147035	88.81%	6.944%
67	18.942	2761	2766	2770	rBV	3957429	4544947	13.85%	1.083%
68	19.007	2772	2777	2781	rBV	838598	1252129	3.82%	0.298%
69	19.072	2781	2788	2793	rBV3	5876644	8015450	24.42%	1.910%
70	19.154	2794	2802	2807	rVB2	13383451	24220359	73.80%	5.770%
71	19.219	2807	2813	2816	rBV	10094928	11106186	33.84%	2.646%

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72	19.277	2820	2823	2828	rBV2	1153756	1312354	4.00%	0.313%
73	19.336	2829	2833	2835	rBV4	1480153	1999617	6.09%	0.476%
74	19.407	2841	2845	2849	rVB2	3268759	3915419	11.93%	0.933%
75	19.454	2851	2853	2855	rVV4	435374	523038	1.59%	0.125%
76	19.483	2855	2858	2862	rVB	1825066	2042075	6.22%	0.487%
77	19.530	2862	2866	2869	rBV2	1123674	1688153	5.14%	0.402%
78	19.565	2869	2872	2873	rVV	1438709	1700948	5.18%	0.405%
79	19.606	2873	2879	2883	rVB	19523998	26175406	79.76%	6.236%
80	19.712	2893	2897	2901	rBV	1651106	2204158	6.72%	0.525%
81	19.753	2901	2904	2910	rVB	1418198	1637944	4.99%	0.390%
82	19.806	2910	2913	2916	rVB2	552418	571691	1.74%	0.136%
83	19.859	2916	2922	2926	rBV	12012318	14896557	45.39%	3.549%
84	19.924	2926	2933	2936	rVV	11012503	13650757	41.59%	3.252%
85	19.982	2940	2943	2948	rVB3	1102224	1294545	3.94%	0.308%
86	20.059	2953	2956	2964	rVB3	1766238	2226305	6.78%	0.530%
87	20.147	2966	2971	2974	rBV	10680226	12039197	36.68%	2.868%
88	20.188	2974	2978	2981	rVV	5001340	5474898	16.68%	1.304%
89	20.223	2981	2984	2988	rVB2	1287936	1563931	4.77%	0.373%
90	20.288	2993	2995	3000	rVB2	1125196	1246397	3.80%	0.297%
91	20.382	3009	3011	3015	rVB3	741282	811000	2.47%	0.193%
92	20.458	3016	3024	3031	rVV	8357971	15677803	47.77%	3.735%
93	20.599	3045	3048	3055	rVB4	1255067	1766744	5.38%	0.421%
94	20.758	3072	3075	3080	rVB2	2416020	2503981	7.63%	0.597%
95	20.828	3084	3087	3090	rVV3	1159257	1842636	5.61%	0.439%
96	20.864	3090	3093	3097	rVB3	1571815	1976412	6.02%	0.471%
97	21.016	3116	3119	3122	rBV2	1386498	1835228	5.59%	0.437%
98	21.063	3122	3127	3133	rVV	13858629	17787366	54.20%	4.238%
99	21.163	3141	3144	3150	rVB2	3226168	4093481	12.47%	0.975%
100	21.522	3202	3205	3213	rVB2	3081046	4756721	14.49%	1.133%

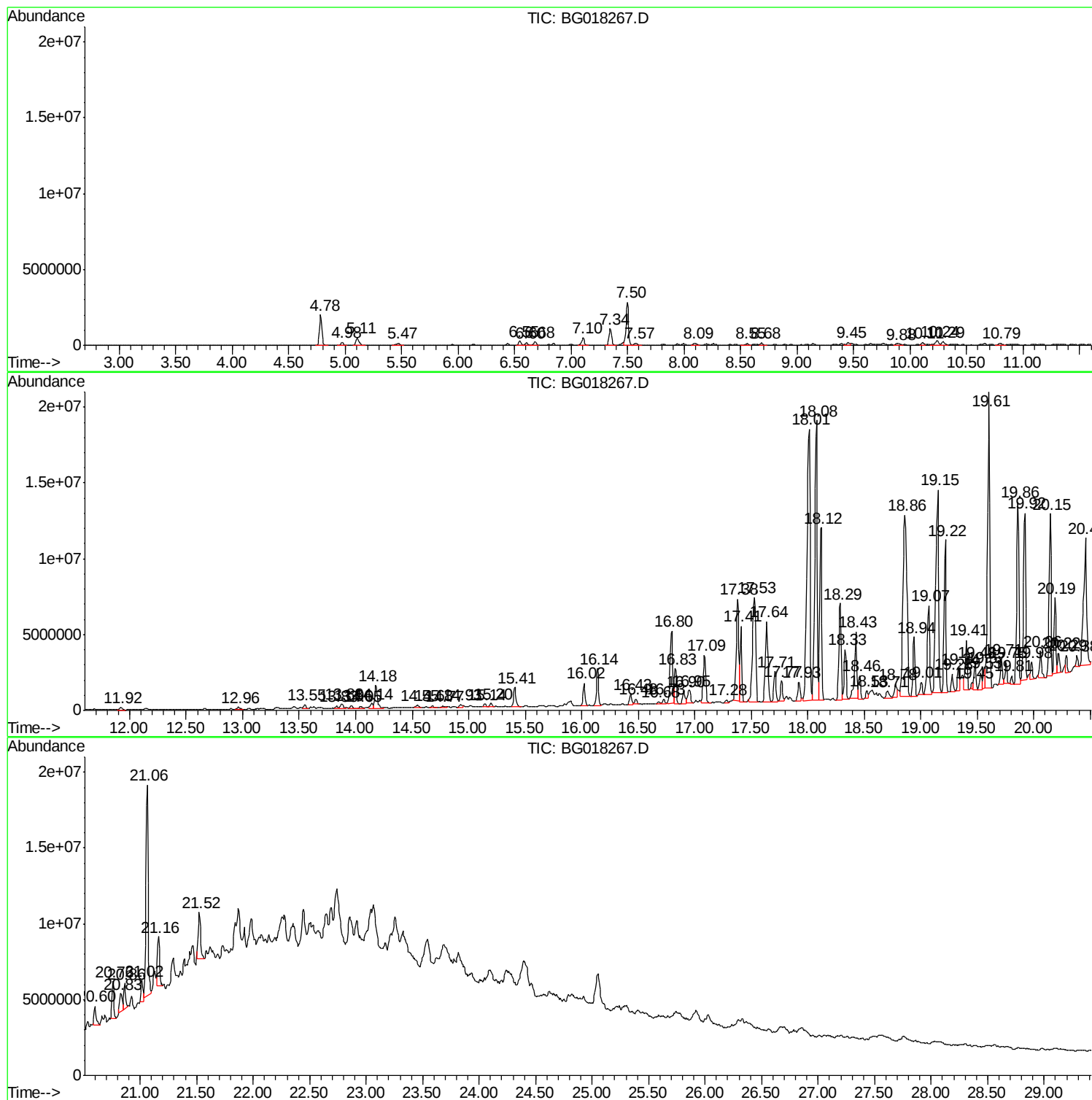
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Instrument :
BNA_G
ClientSampled :
C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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



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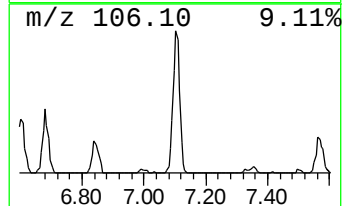
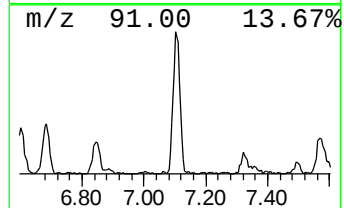
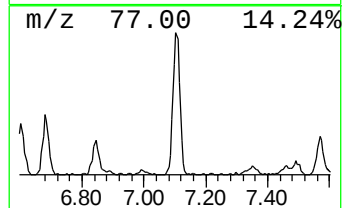
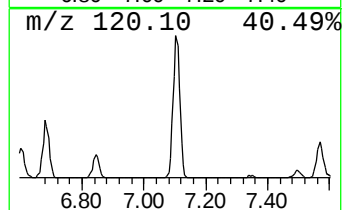
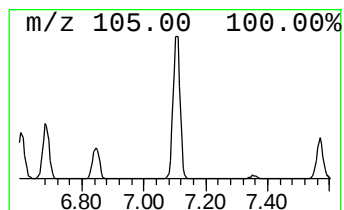
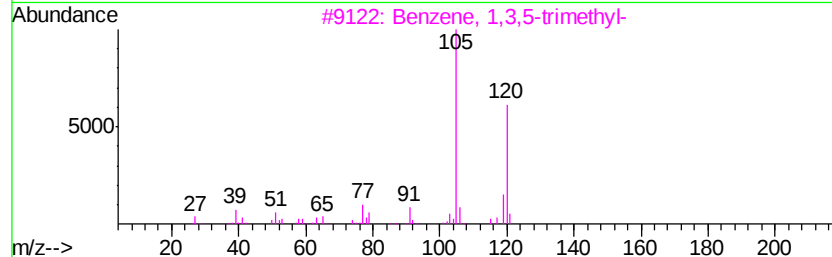
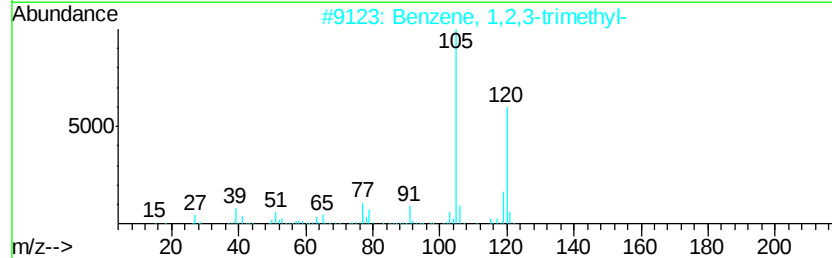
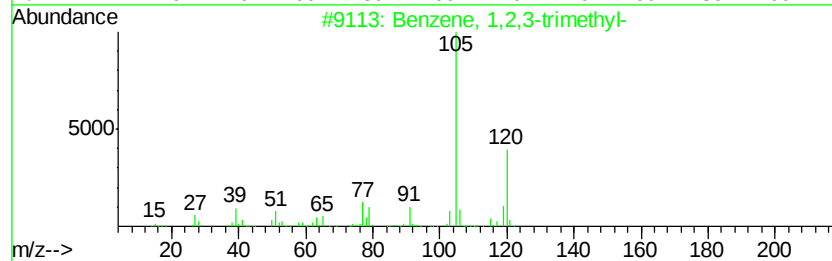
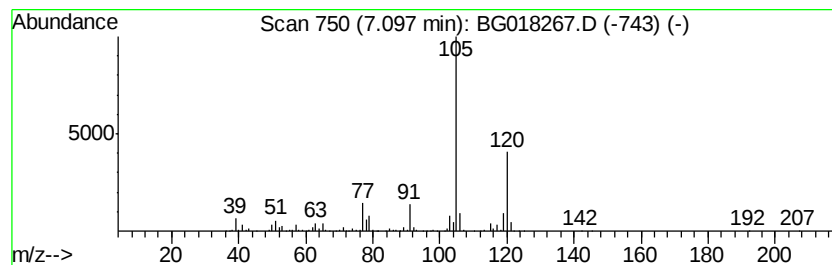
Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.10	4.03 ng/ul	861169	1,4-Dichlorobenzene-d4	7.46		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,	1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene,	1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene,	1,3,5-trimethyl-	120	C9H12	000108-67-8	94
4	Benzene,	1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene,	1,2,4-trimethyl-	120	C9H12	000095-63-6	94



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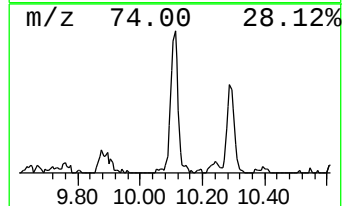
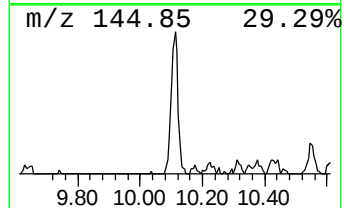
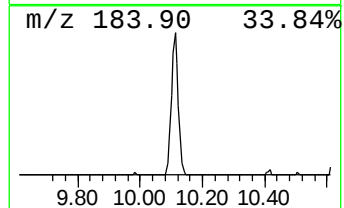
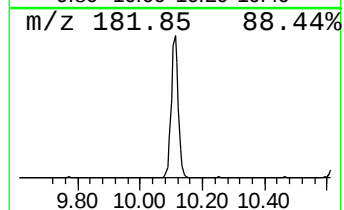
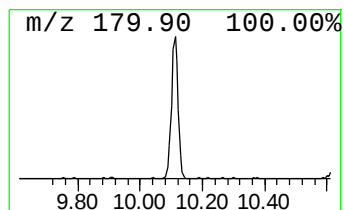
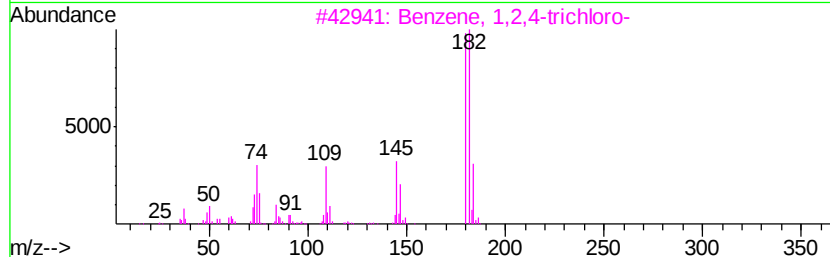
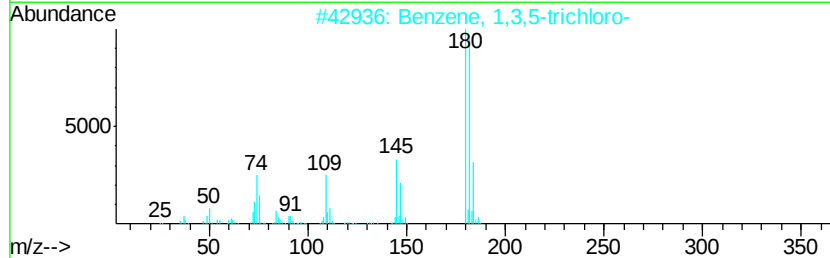
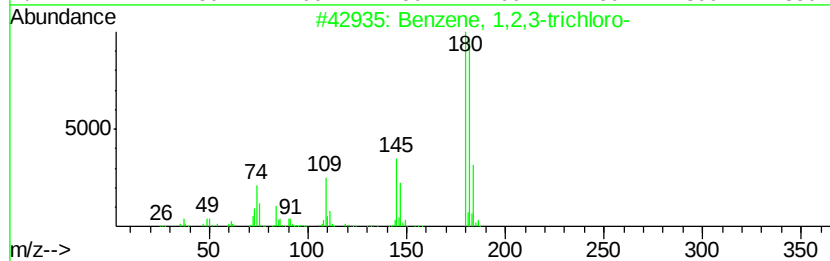
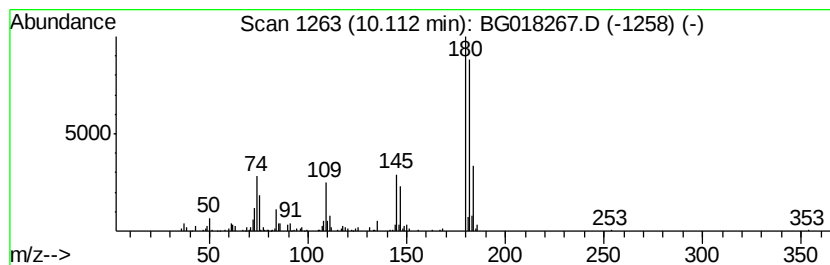
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trichloro- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	9.10 ng/ul	272846	Napthalene-d8	10.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96
2		Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96
3		Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95
4		Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	95
5		Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	94



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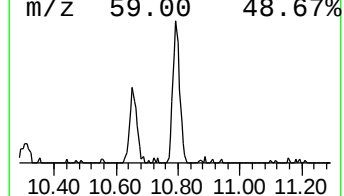
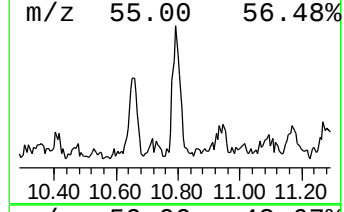
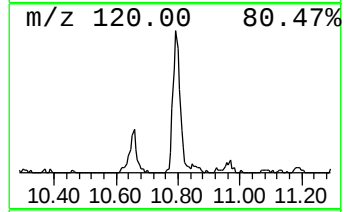
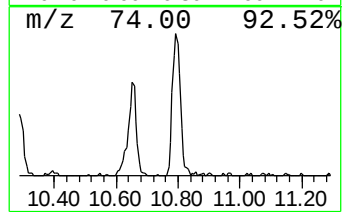
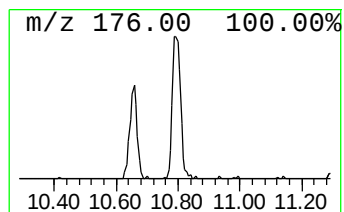
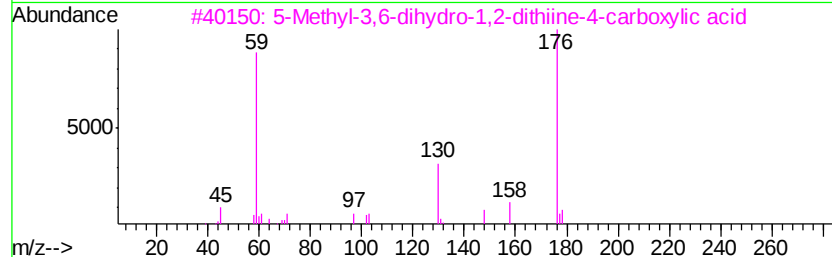
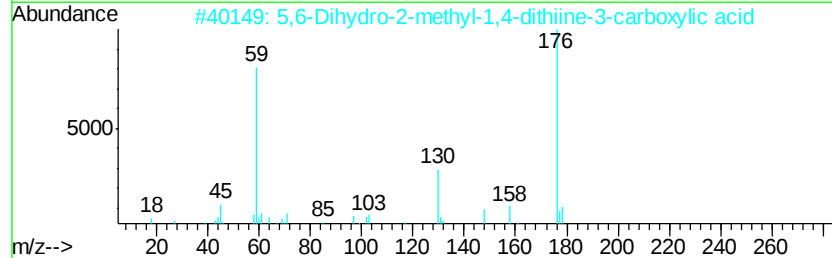
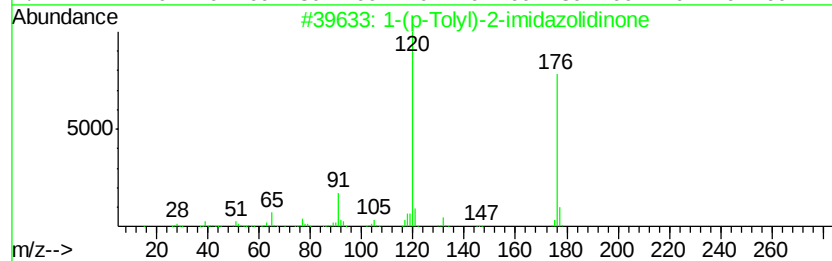
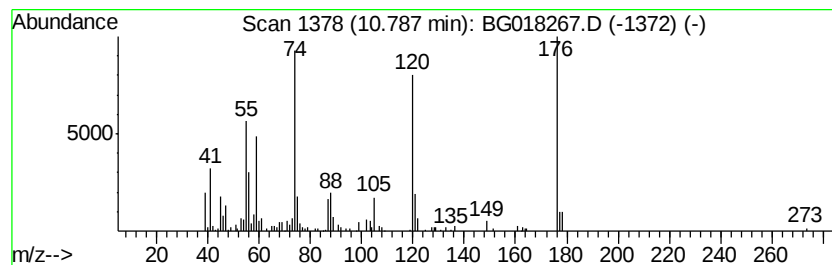
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-01 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	7.52 ng/ul	225387	Napthalene-d8	10.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-(p-Tolyl)-2-imidazolidinone	176	C10H12N2O	090917-76-3	43
2			5,6-Dihydro-2-methyl-1,4-dithiin...	176	C6H8O2S2	035756-29-7	25
3			5-Methyl-3,6-dihydro-1,2-dithiin...	176	C6H8O2S2	1000147-09-6	25
4			4'-Hydroxydecanophenone semicarb...	305	C17H27N3O2	014353-85-6	25
5			DL-Phenylalanine	165	C9H11NO2	000150-30-1	22



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Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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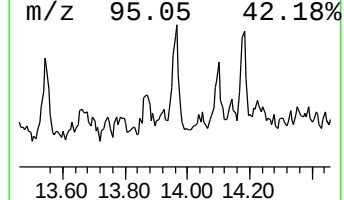
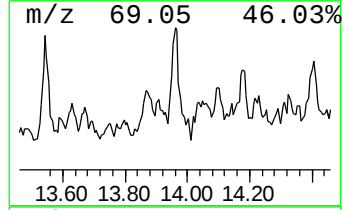
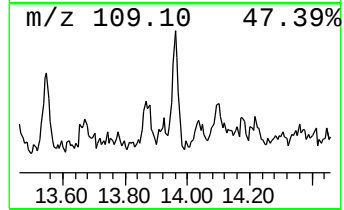
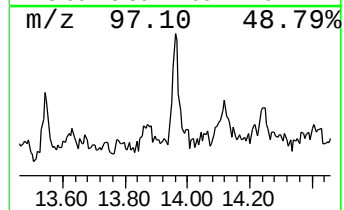
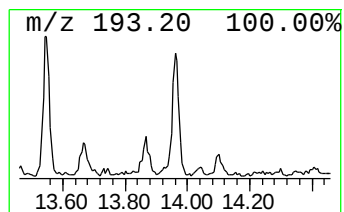
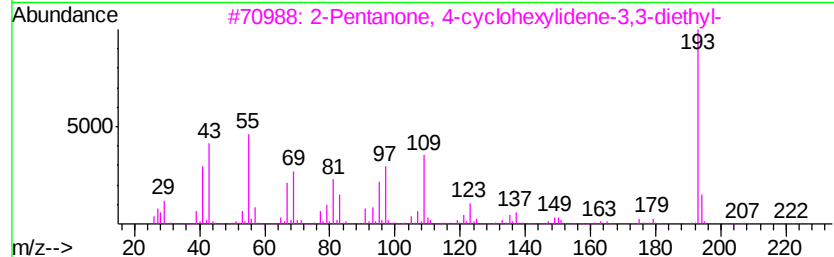
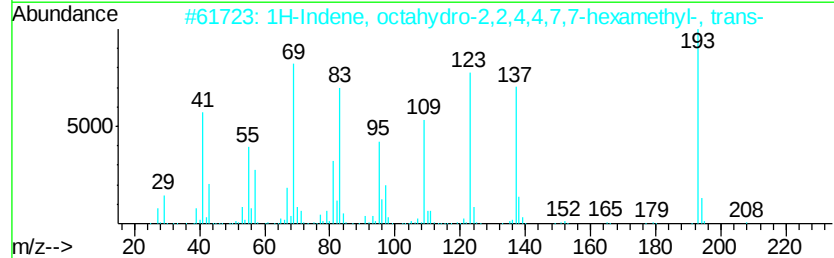
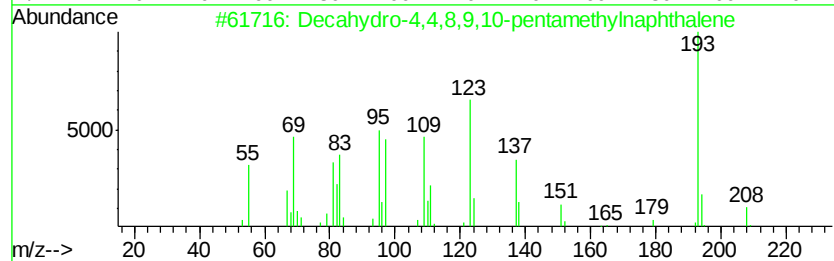
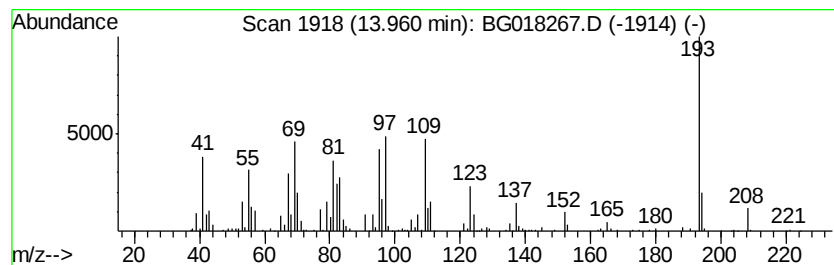
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Decahydro-4,4,8,9,10-pentam... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	10.42 ng/ul	288194	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	58
2		1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	33
3		2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	32
4		Acridine, 9-methyl-	193	C14H11N	000611-64-3	32
5		[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Misc :
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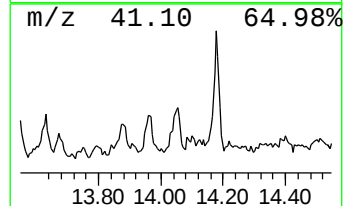
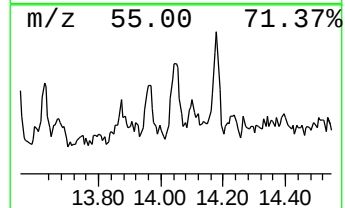
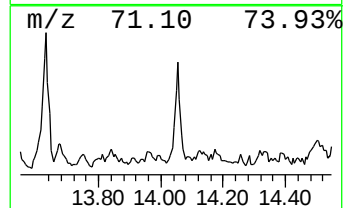
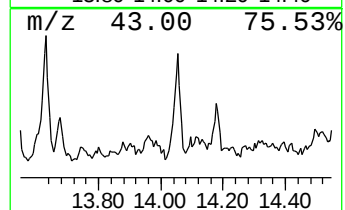
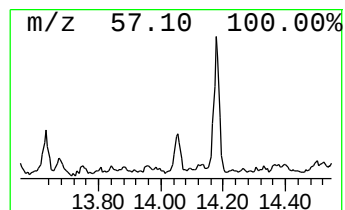
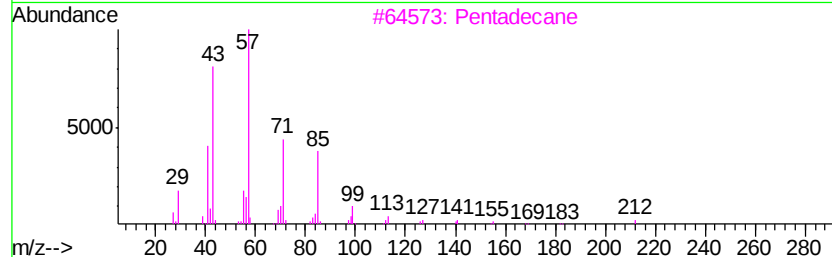
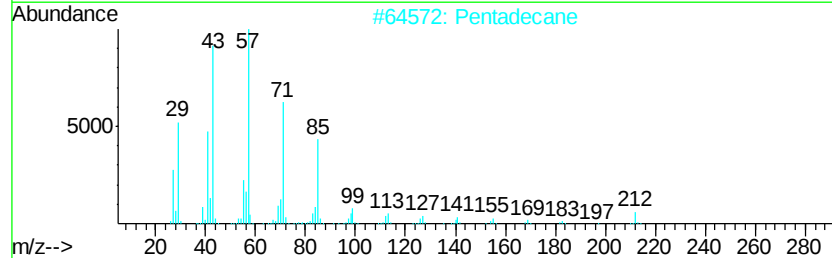
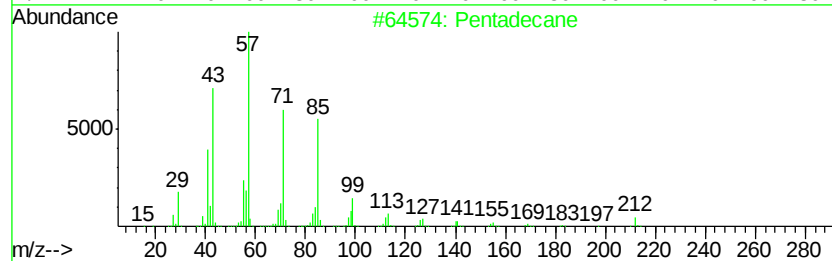
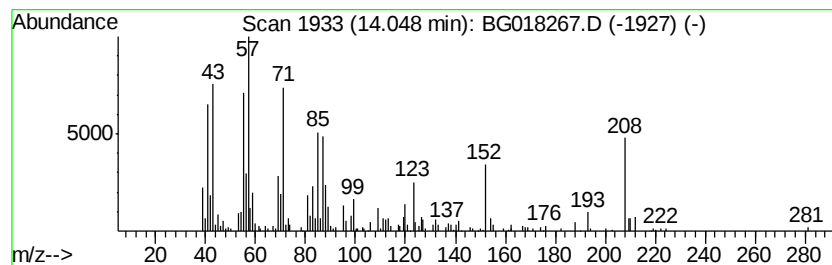
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	10.34 ng/ul	286120	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	55
2		Pentadecane	212	C15H32	000629-62-9	42
3		Pentadecane	212	C15H32	000629-62-9	42
4		Pentadecane	212	C15H32	000629-62-9	42
5		Pentadecane	212	C15H32	000629-62-9	42



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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ClientSampleId :
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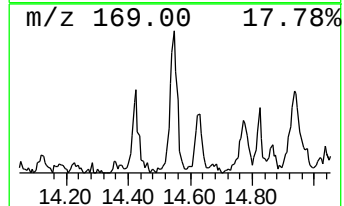
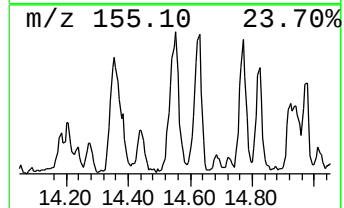
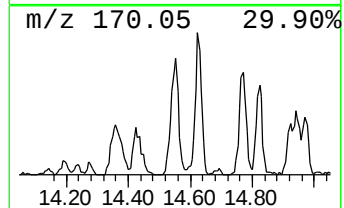
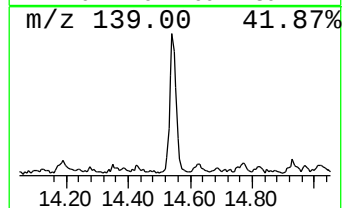
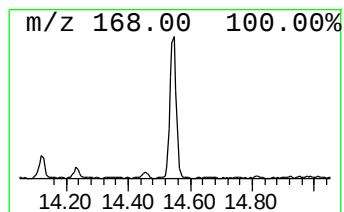
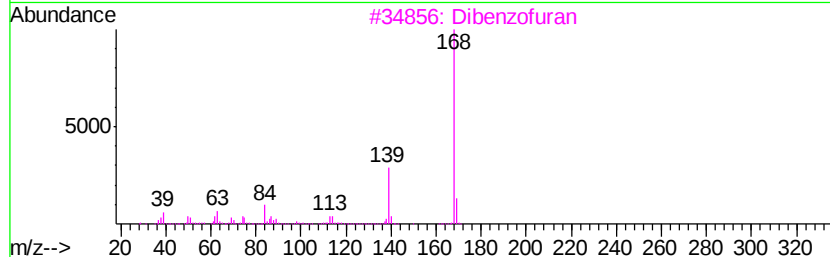
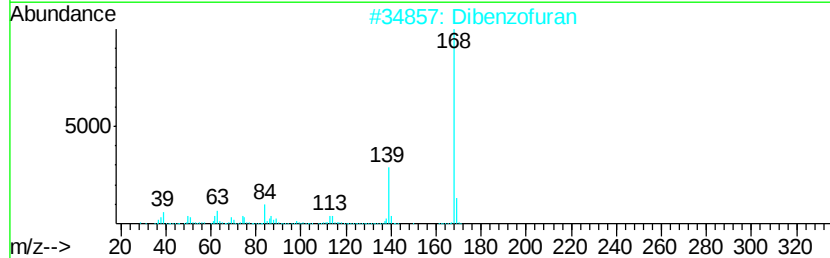
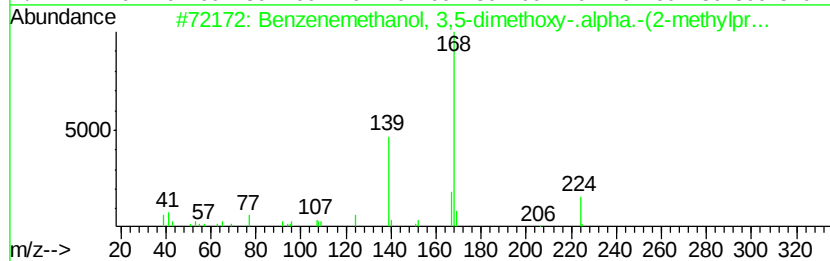
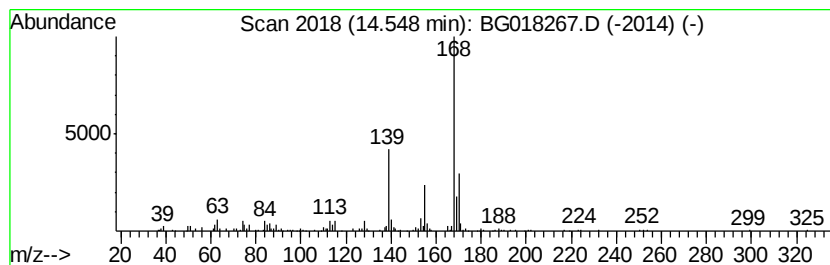
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzenemethanol, 3,5-dimeth... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	10.35 ng/ul	286299	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenemethanol, 3,5-dimethoxy-....	224	C13H20O3	055030-14-3	53
2		Dibenzofuran	168	C12H8O	000132-64-9	47
3		Dibenzofuran	168	C12H8O	000132-64-9	47
4		Zoxazolamine	168	C7H5ClN2O	000061-80-3	47
5		Benzo[b]thiophene, 3-chloro-	168	C8H5ClS	007342-86-1	46



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
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Misc :
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ClientSampleId :
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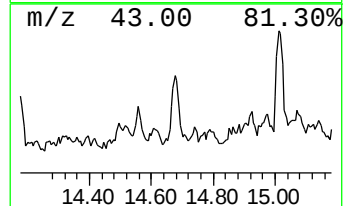
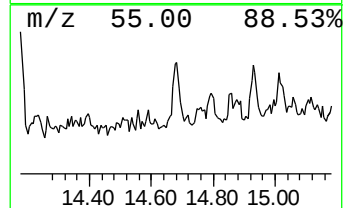
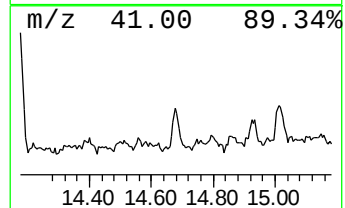
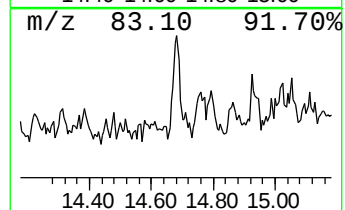
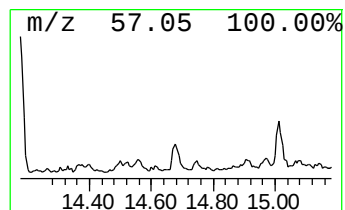
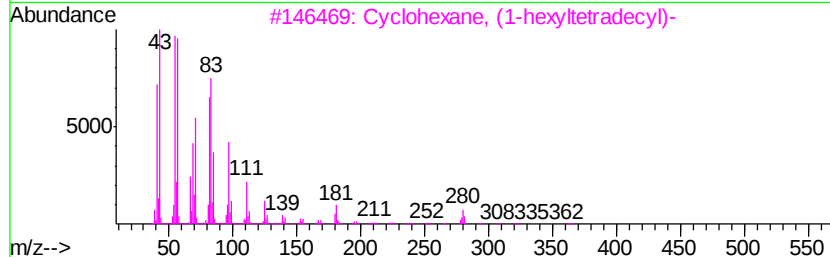
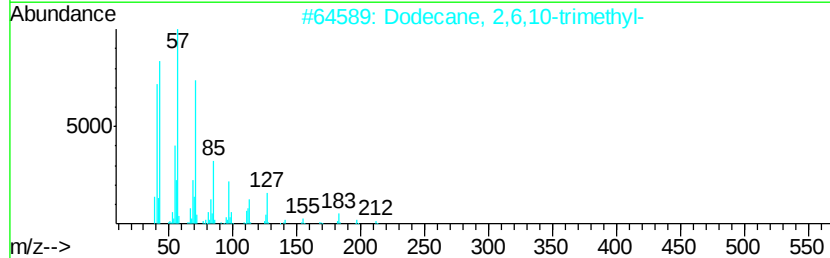
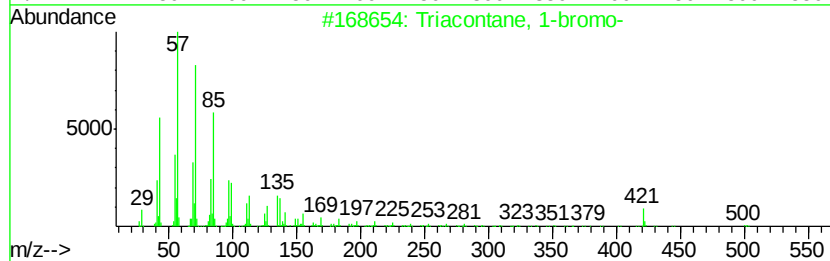
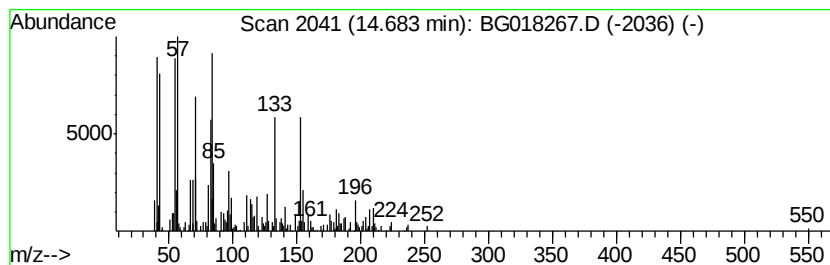
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-02 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	7.39 ng/ul	204317	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triacontane, 1-bromo-	500	C30H61Br	004209-22-7	43
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	41
3		Cyclohexane, (1-hexyltetradecyl)-	364	C26H52	004443-60-1	38
4		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	30
5		Pentadecane	212	C15H32	000629-62-9	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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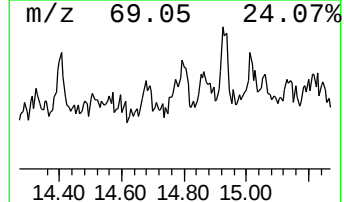
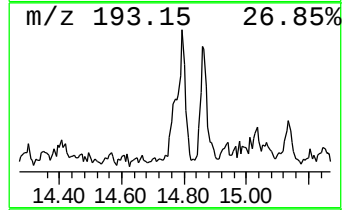
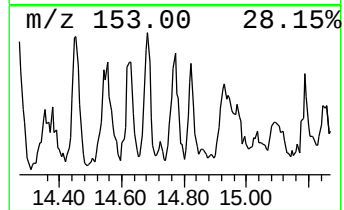
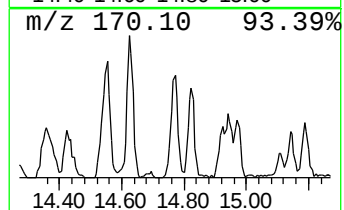
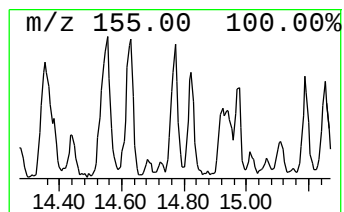
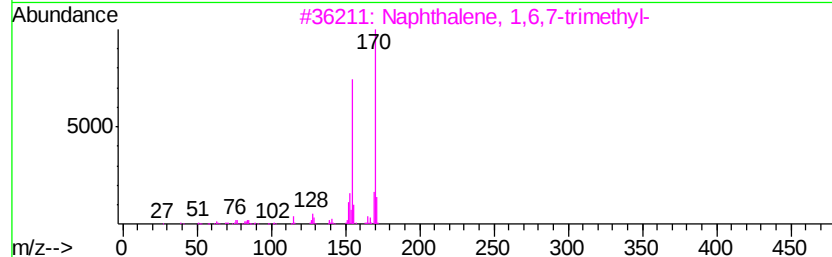
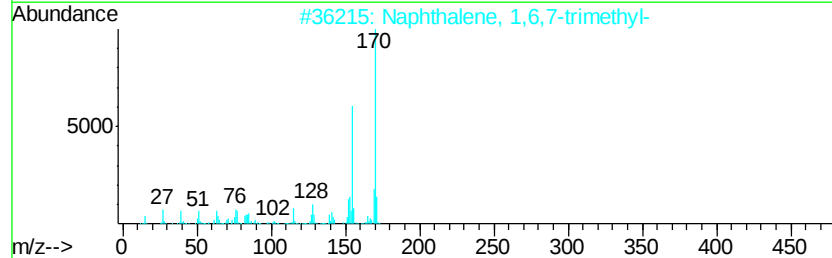
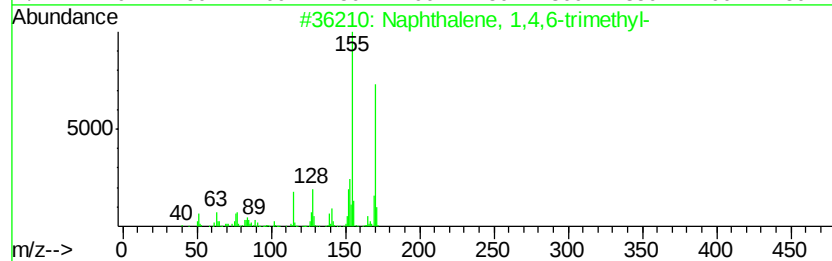
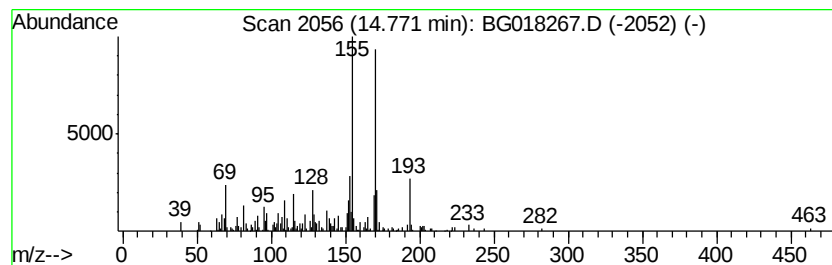
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	7.68 ng/ul	212559	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	81
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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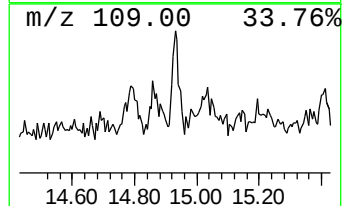
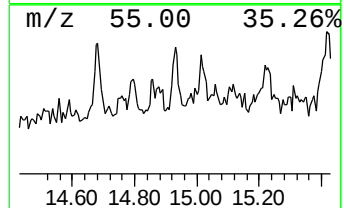
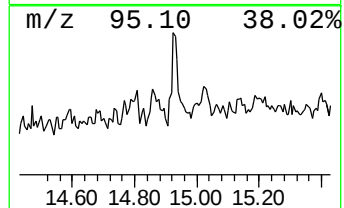
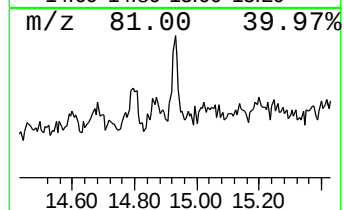
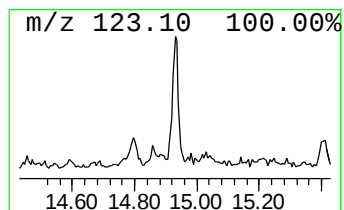
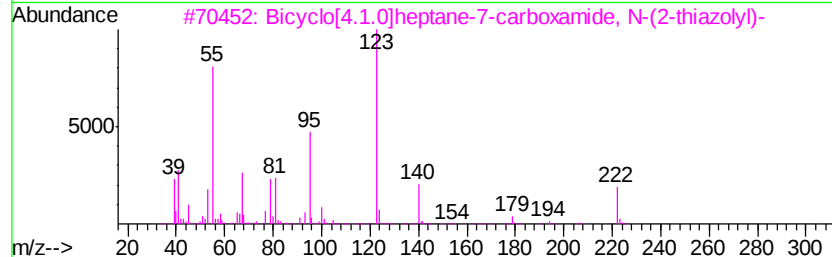
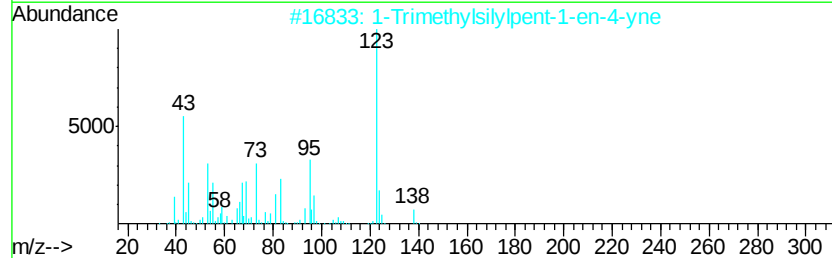
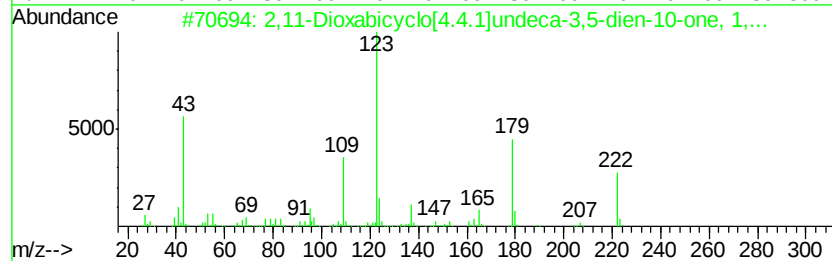
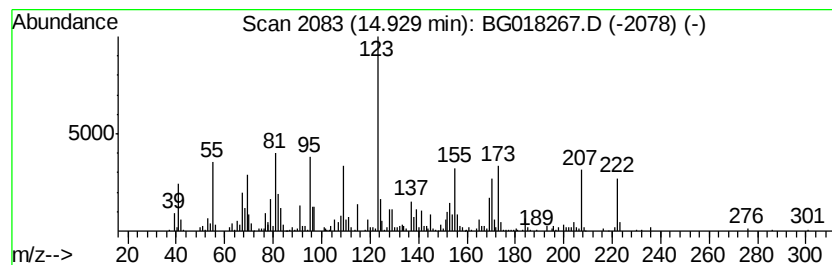
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	12.84 ng/ul	355058	Acenaphthene-d10	14.14
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222 C13H18O3	070412-52-1	46
2	1-Trimethylsilylpent-1-en-4-yne	138 C8H14Si	079516-25-9	38
3	Bicyclo[4.1.0]heptane-7-carboxam...	222 C11H14N2OS	329912-72-3	38
4	Ethanone, 1-[3-[2-methyl-2-(5-me...	222 C13H18O3	080114-28-9	35
5	2,2-Dimethylocta-3,4-dienal	152 C10H16O	000590-71-6	35



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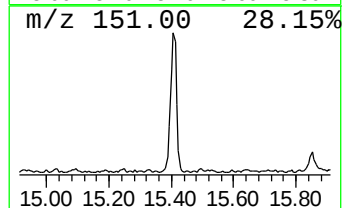
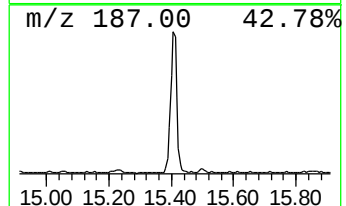
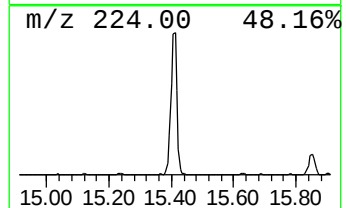
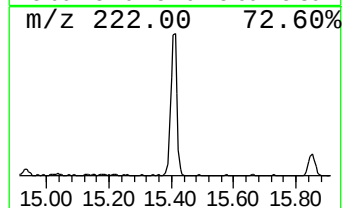
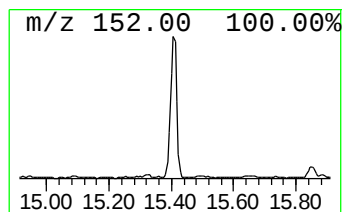
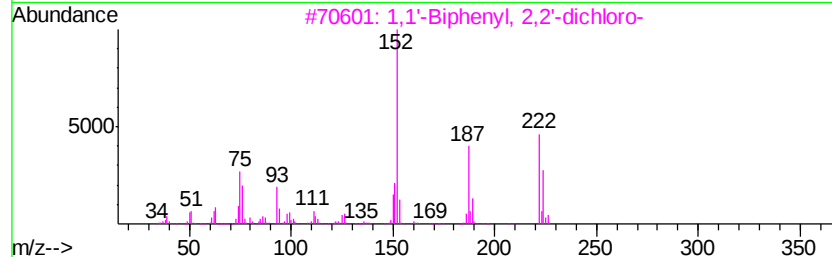
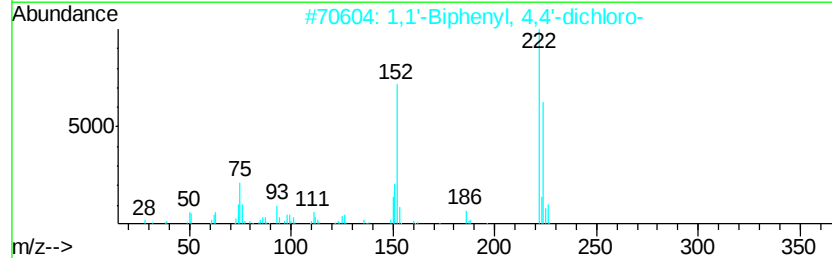
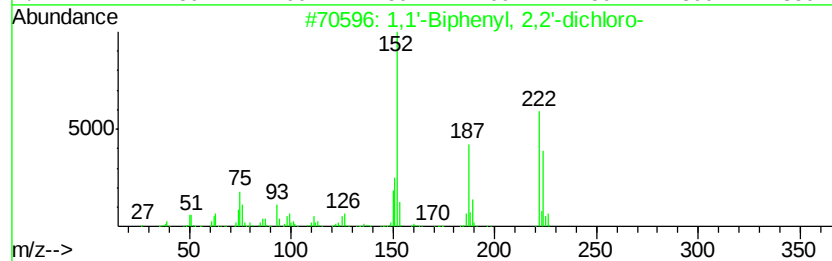
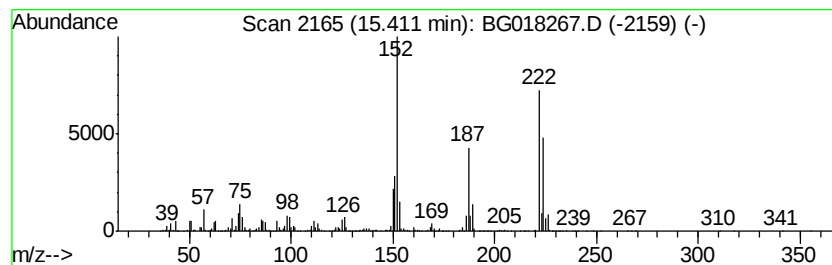
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	69.23 ng/ul	1915040	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	96
2		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
3		1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	94
4		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	90
5		1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

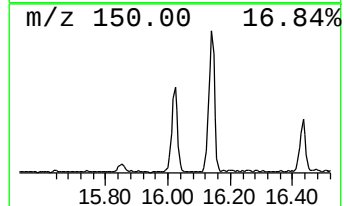
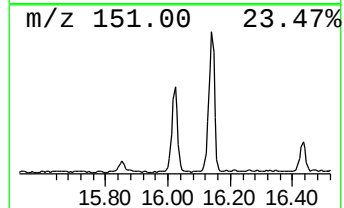
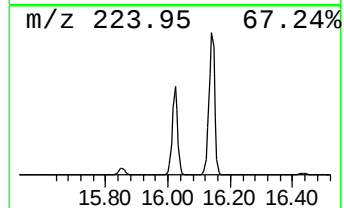
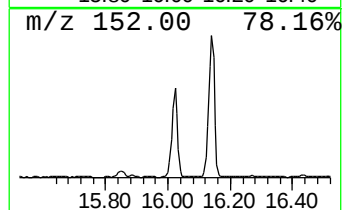
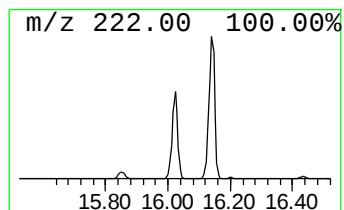
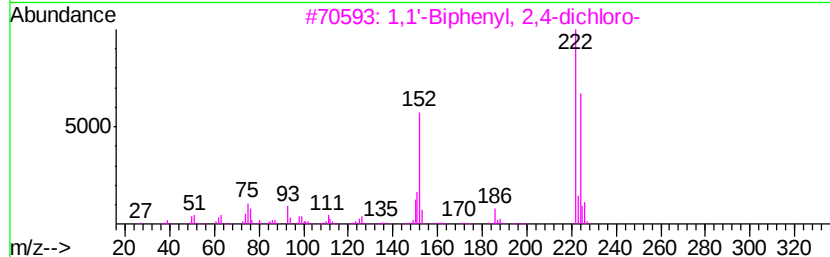
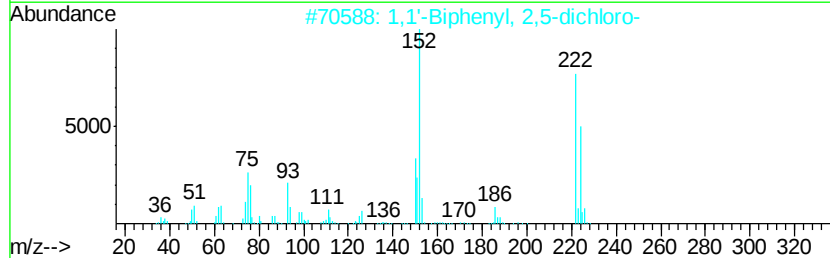
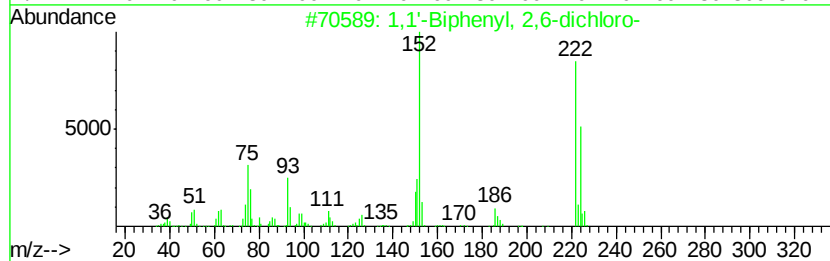
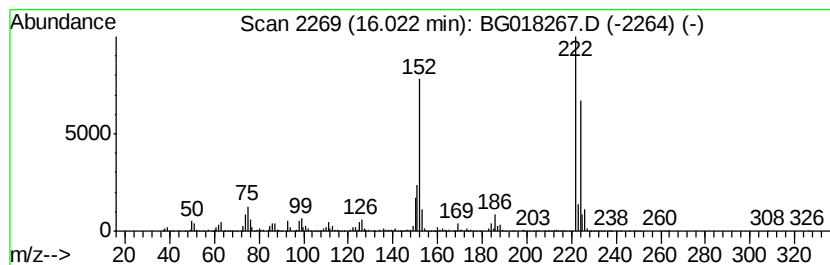
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,6-dichloro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	31.07 ng/ul	1825520	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	97
2		1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	95
3		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	95
4		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
5		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

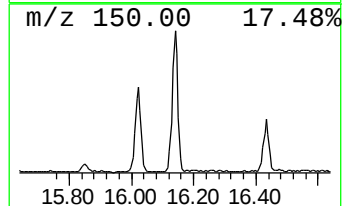
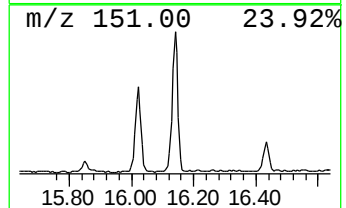
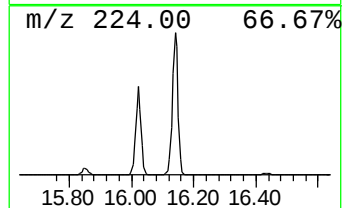
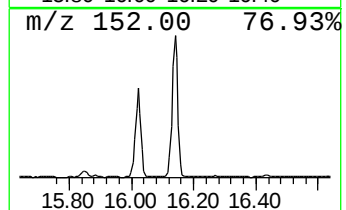
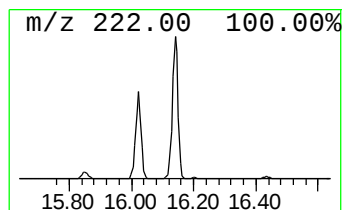
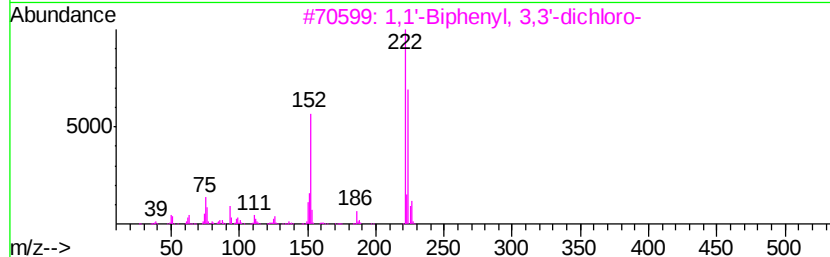
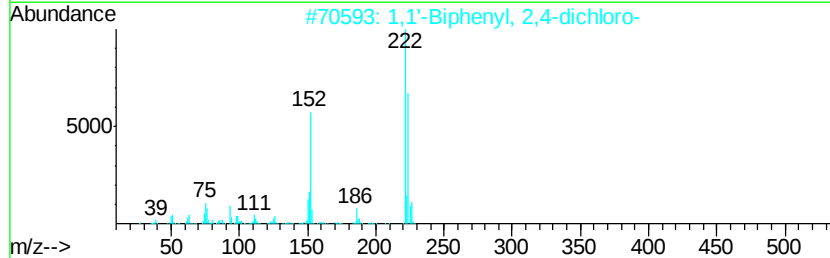
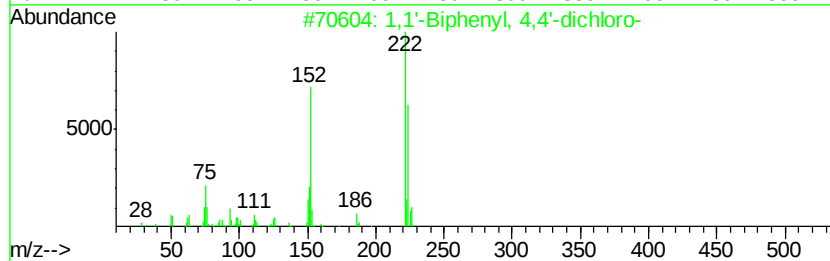
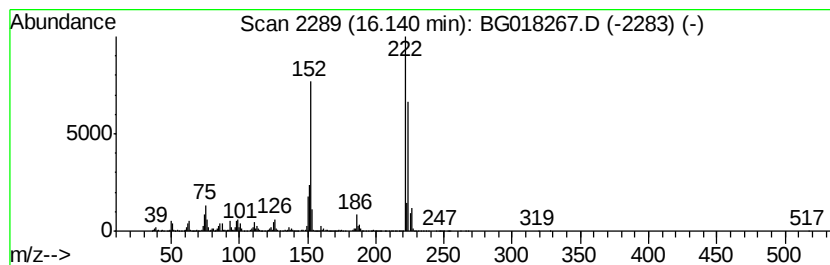
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 4,4'-dichloro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	53.78 ng/ul	3159520	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
2		1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	96
3		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
4		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
5		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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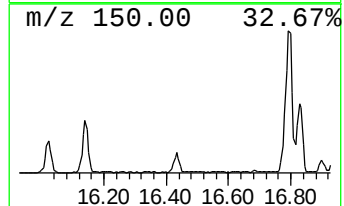
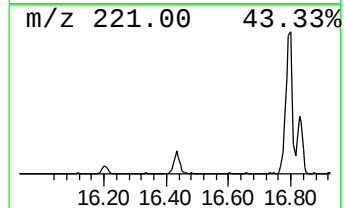
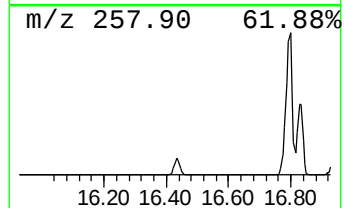
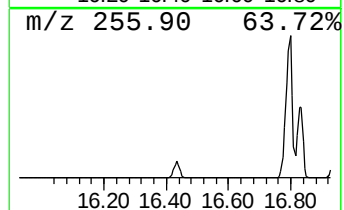
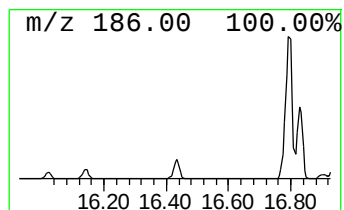
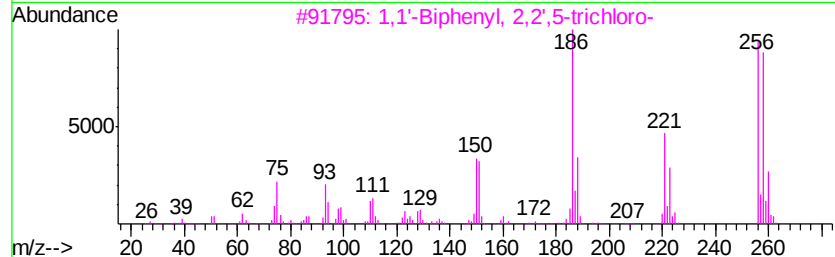
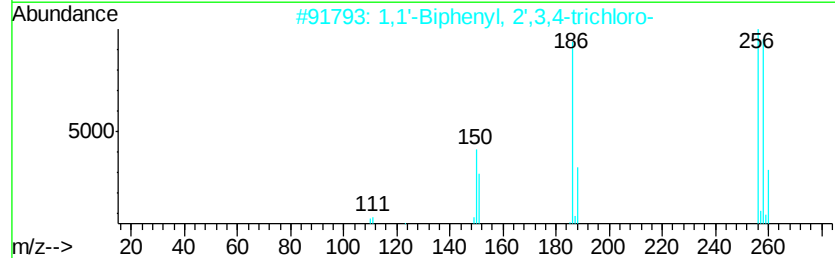
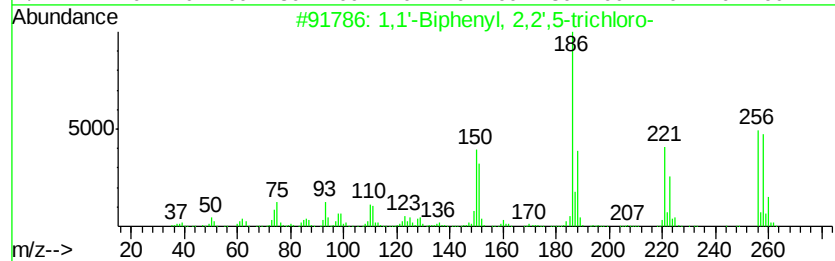
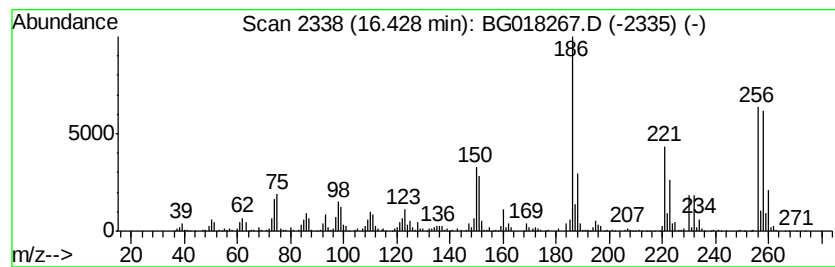
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	15.29 ng/ul	898375	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2		1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95
3		1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	95
4		1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	92
5		1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	92



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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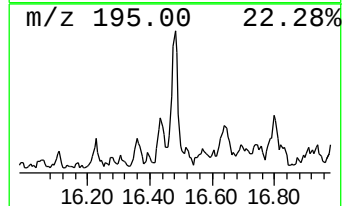
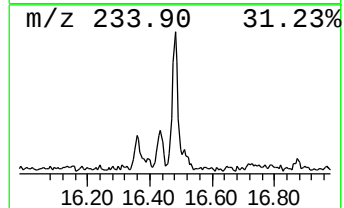
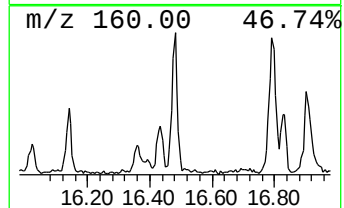
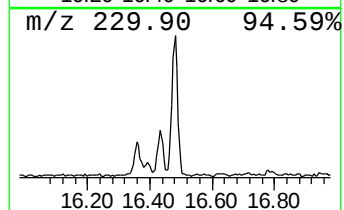
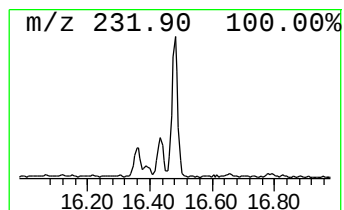
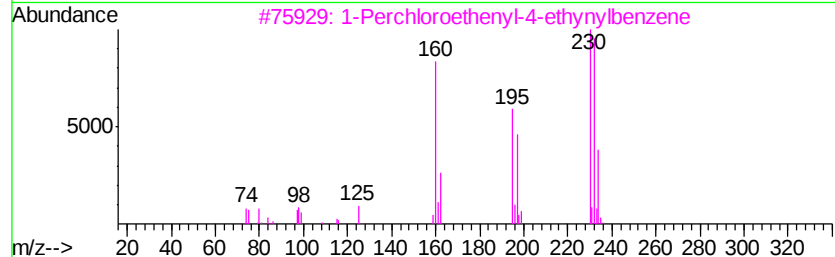
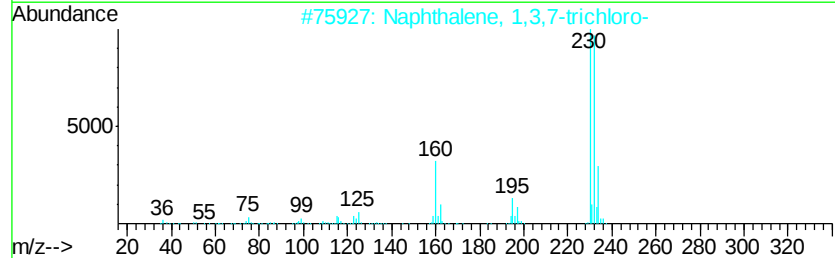
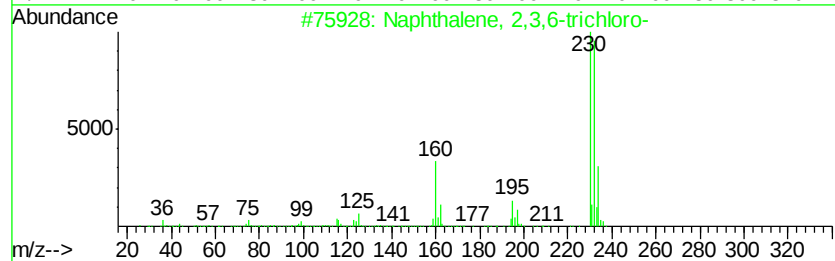
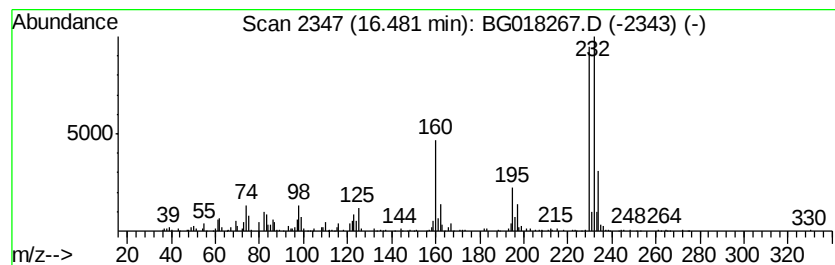
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Naphthalene, 2,3,6-trichloro- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	7.50 ng/ul	440460	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	99
2			Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	98
3			1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	94
4			Benzenealdehyde, 2-bromo-5-hydro...	230	C8H7BrO3	002973-59-3	50
5			1,3-Benzodioxole-5-methanol, 6-b...	230	C8H7BrO3	006642-34-8	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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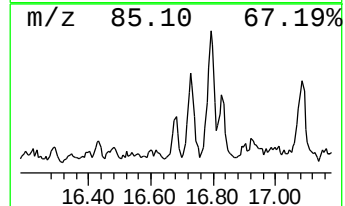
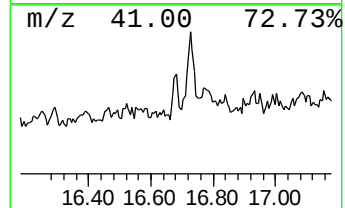
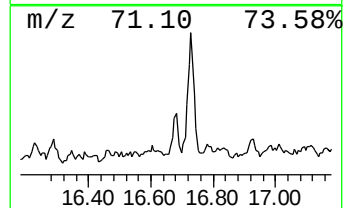
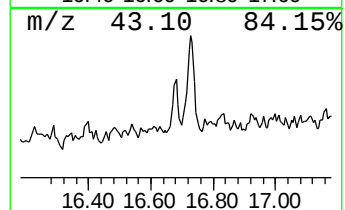
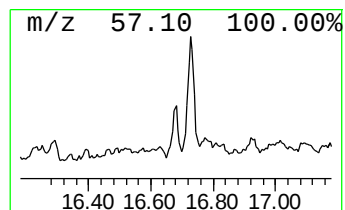
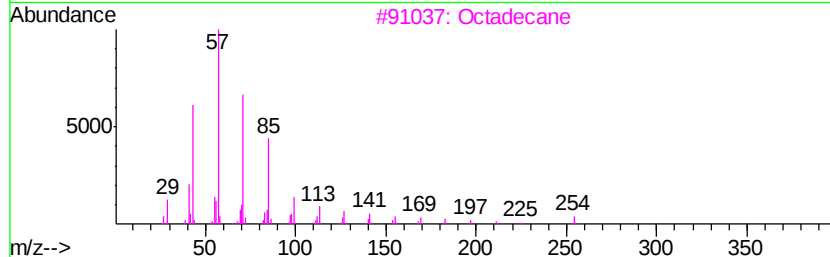
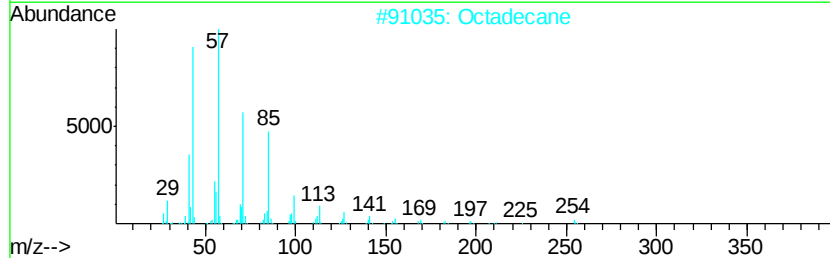
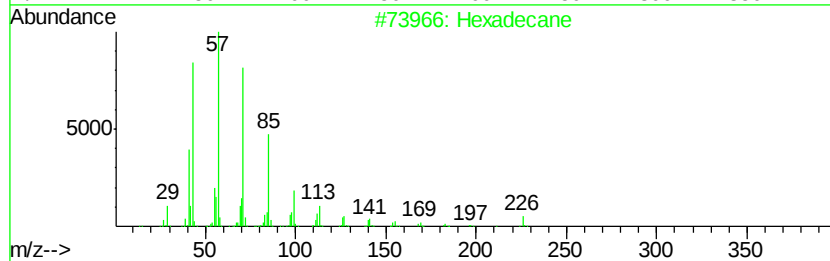
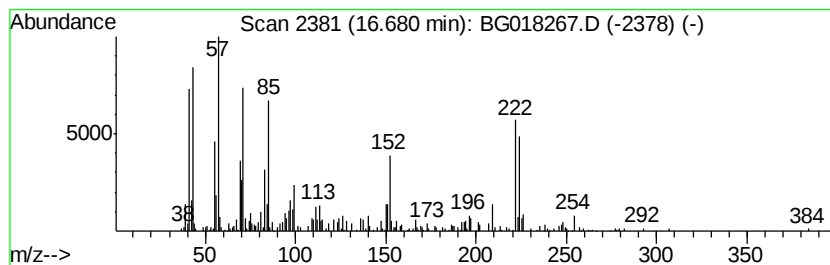
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	3.73 ng/ul	219111	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	50
2			Octadecane	254	C18H38	000593-45-3	50
3			Octadecane	254	C18H38	000593-45-3	50
4			Hexadecane	226	C16H34	000544-76-3	46
5			Hexadecane	226	C16H34	000544-76-3	45



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
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Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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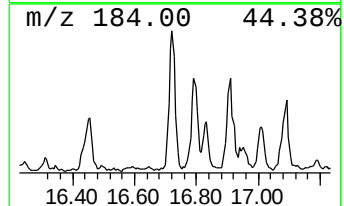
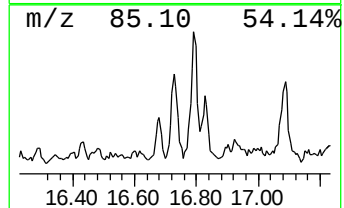
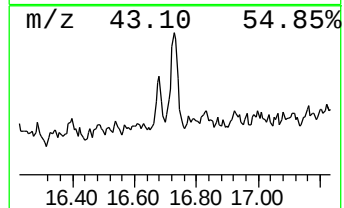
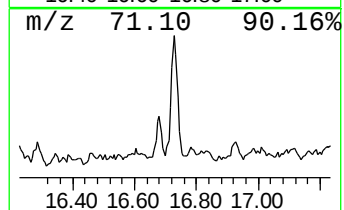
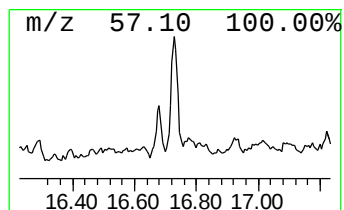
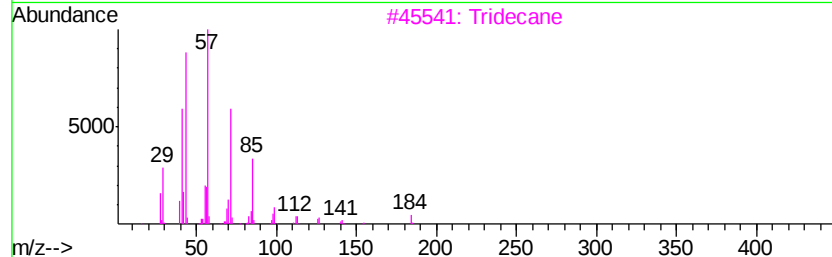
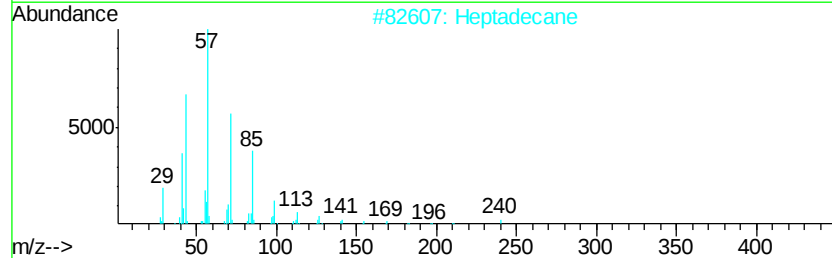
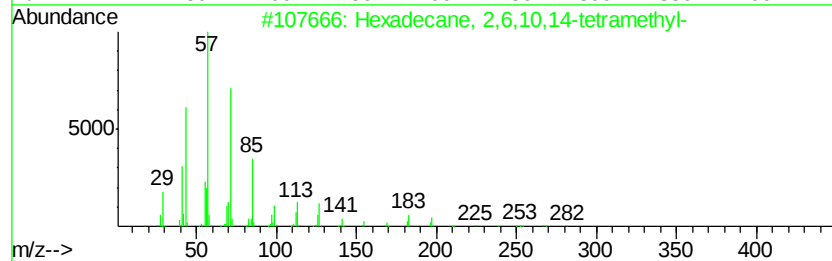
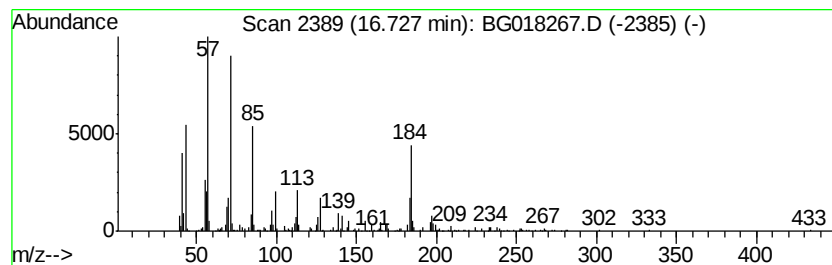
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	7.36 ng/ul	432175	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	95
2			Heptadecane	240	C17H36	000629-78-7	83
3			Tridecane	184	C13H28	000629-50-5	81
4			Tetradecane	198	C14H30	000629-59-4	64
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

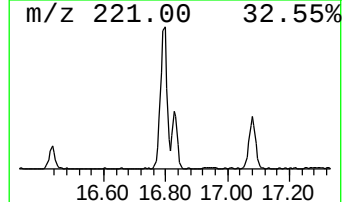
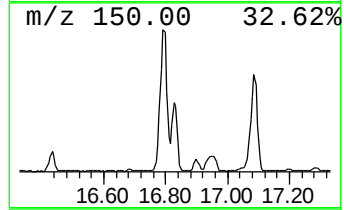
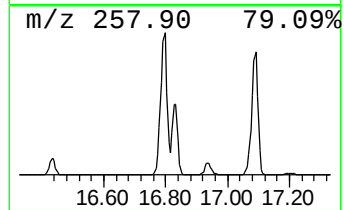
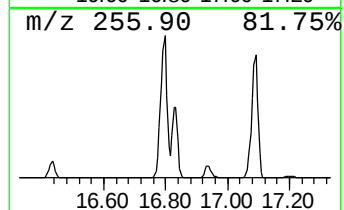
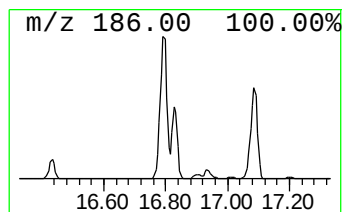
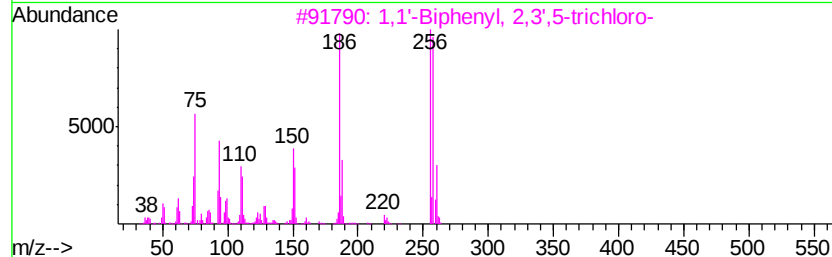
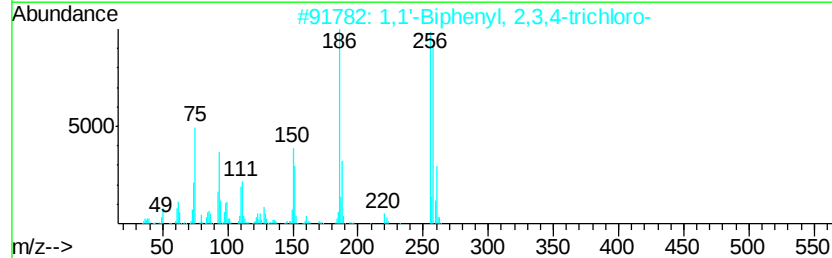
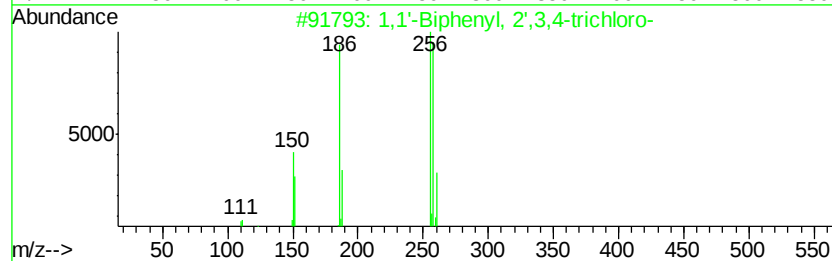
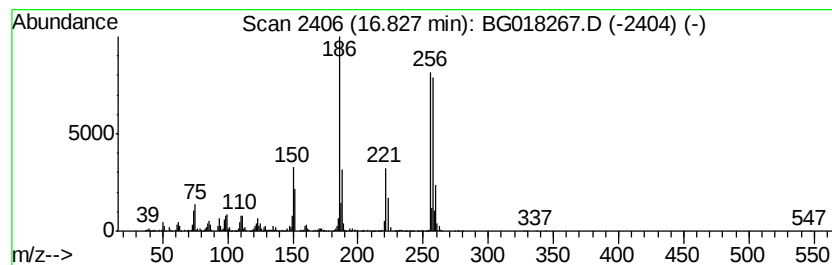
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	44.21 ng/ul	2597550	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
2		1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
3		1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	94
4		1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	94
5		1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

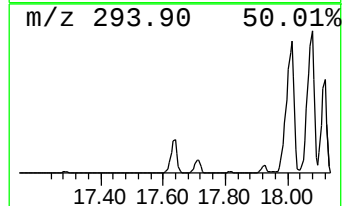
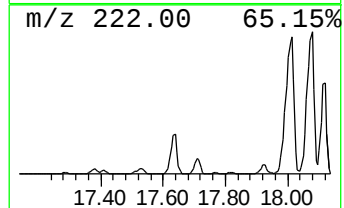
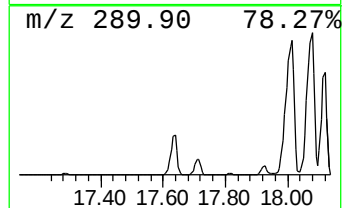
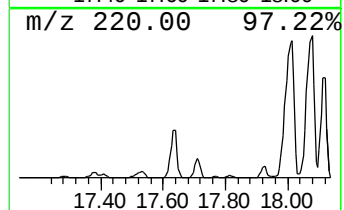
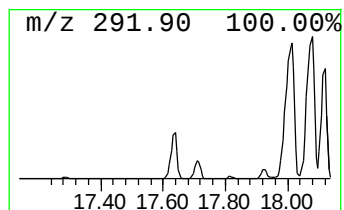
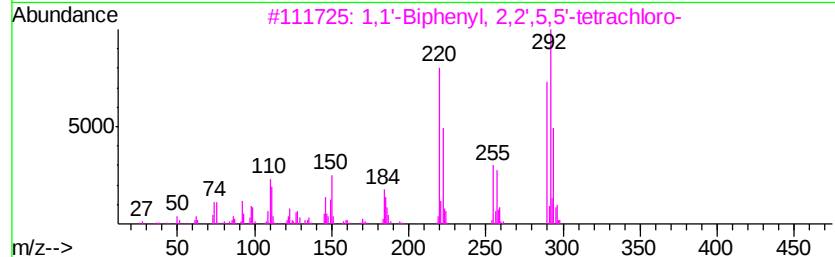
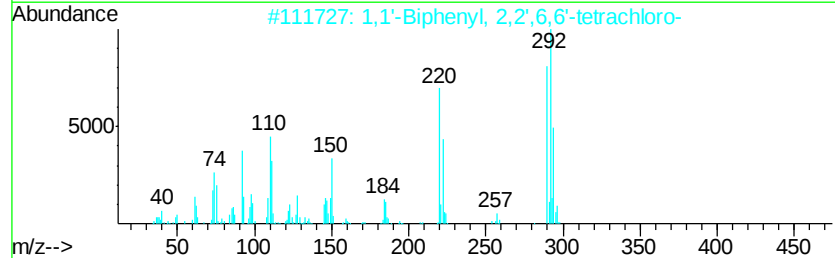
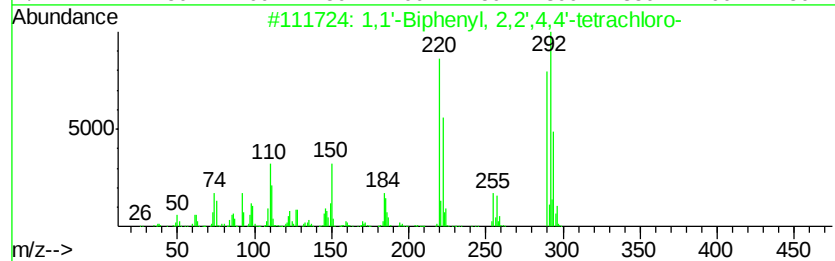
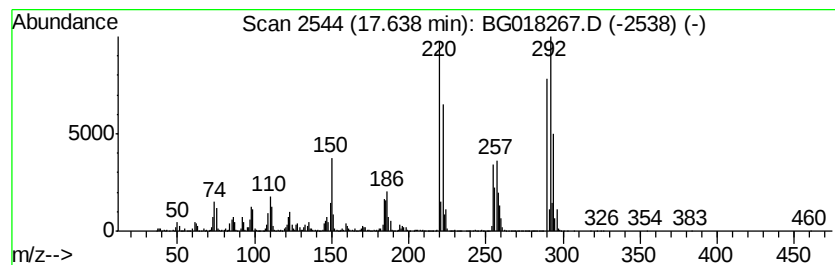
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	148.36 ng/ul	8716000	Phenanthrene-d10	16.90

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

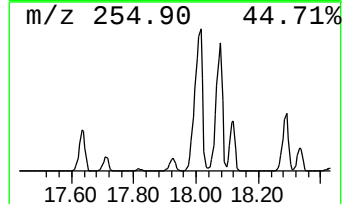
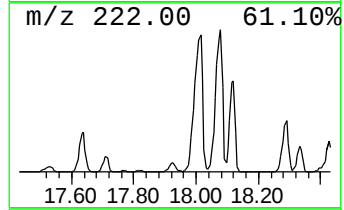
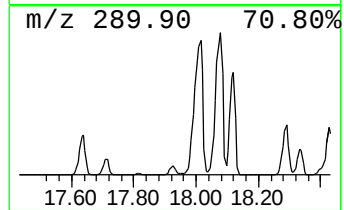
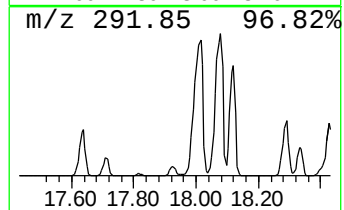
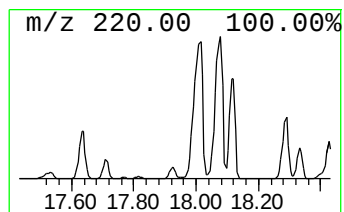
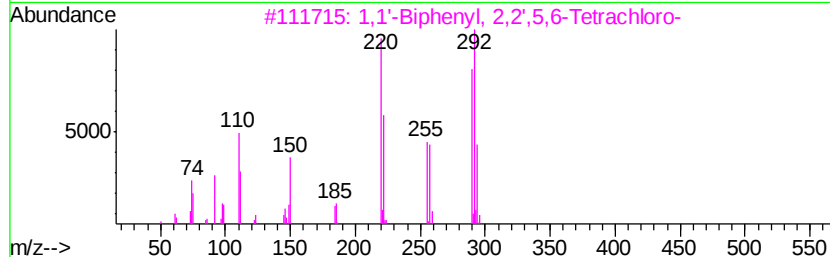
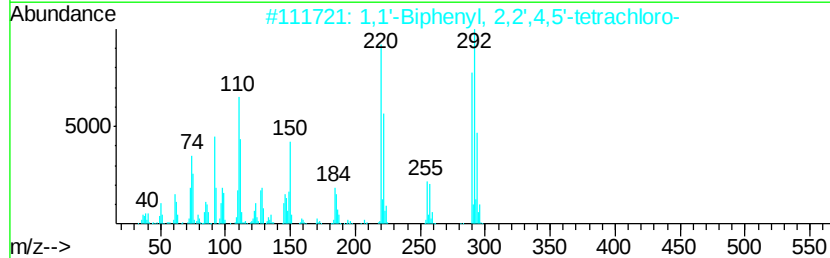
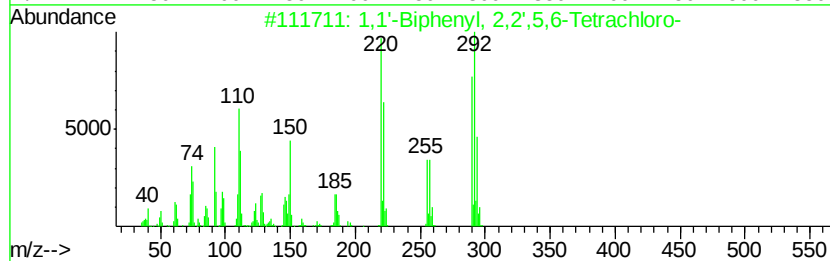
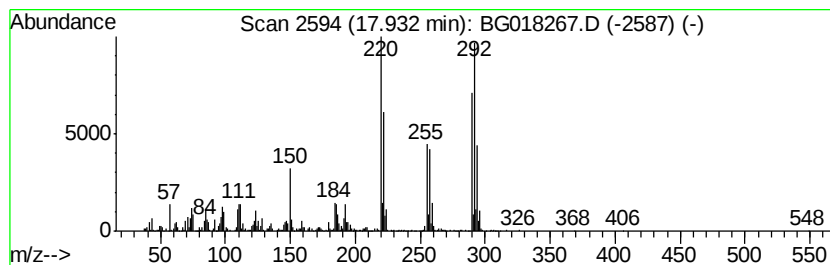
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	29.85 ng/ul	1753630	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99		
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98		
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	96		



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

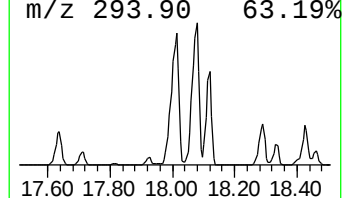
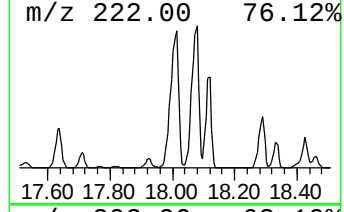
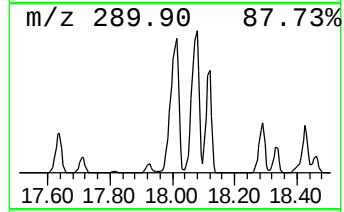
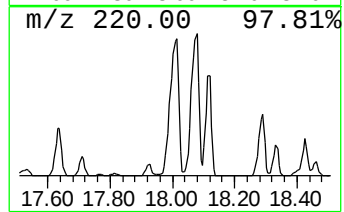
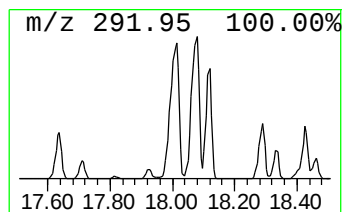
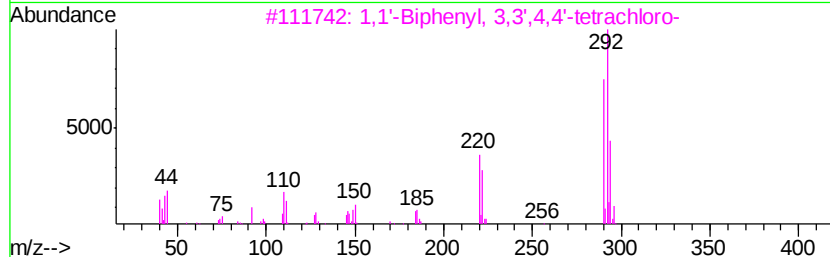
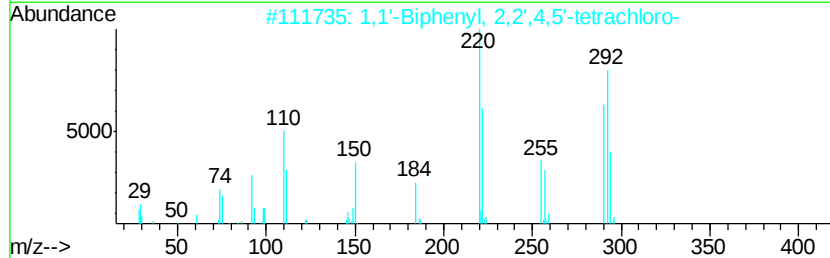
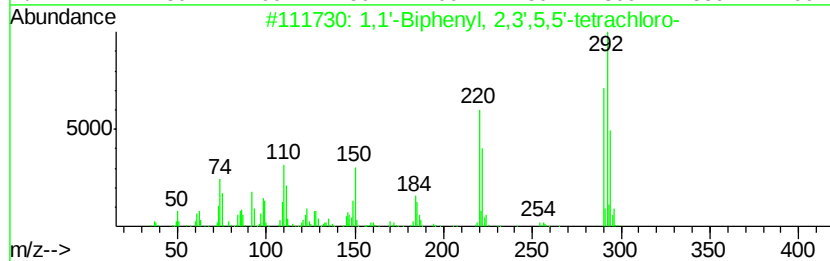
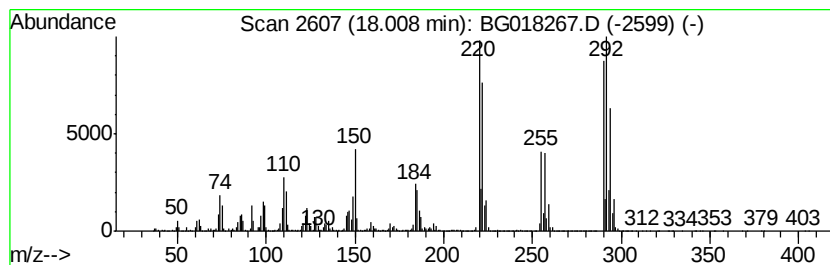
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	558.64 ng/ul	32819300	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
5		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	98



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

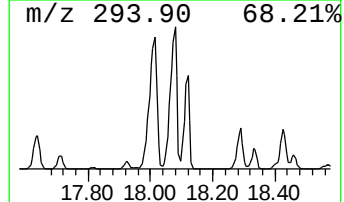
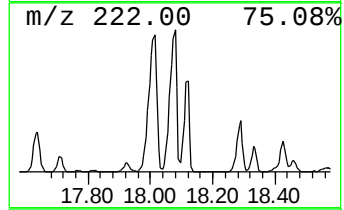
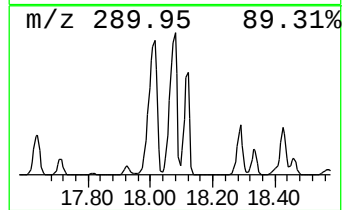
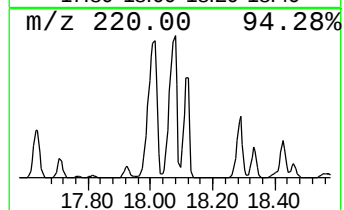
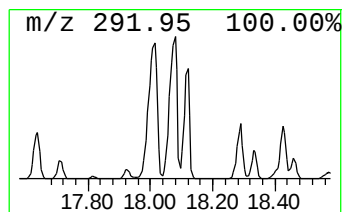
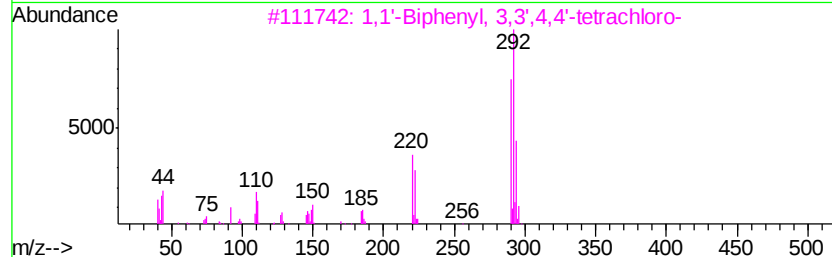
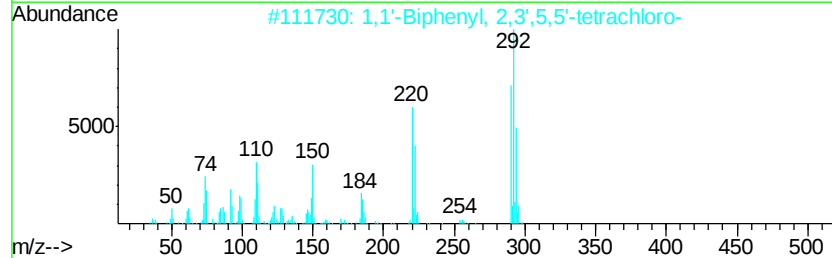
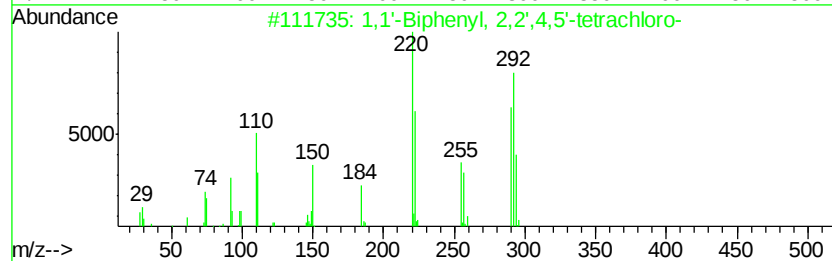
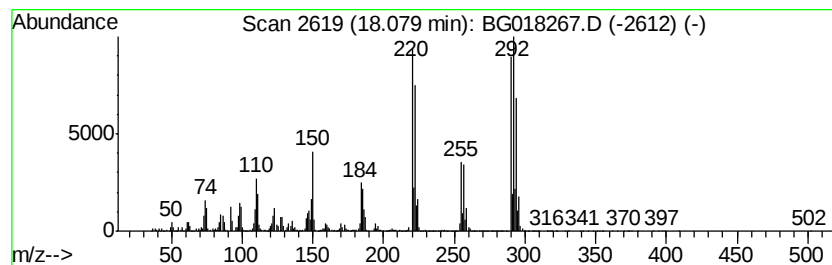
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	481.73 ng/ul	28300900	Phenanthrene-d10	16.90

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	98
3		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
4		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
5		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	97



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

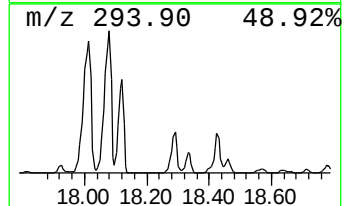
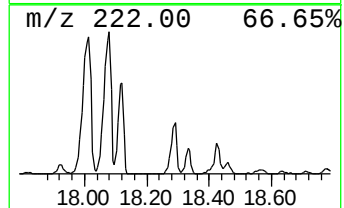
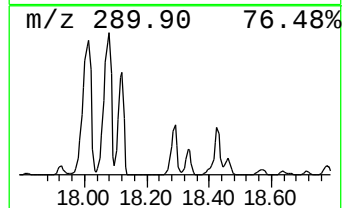
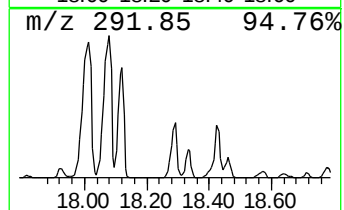
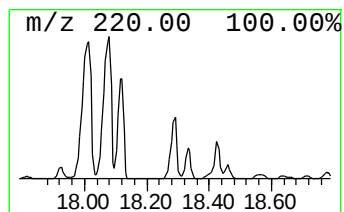
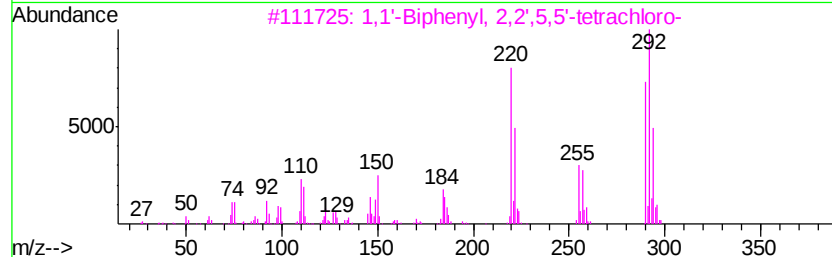
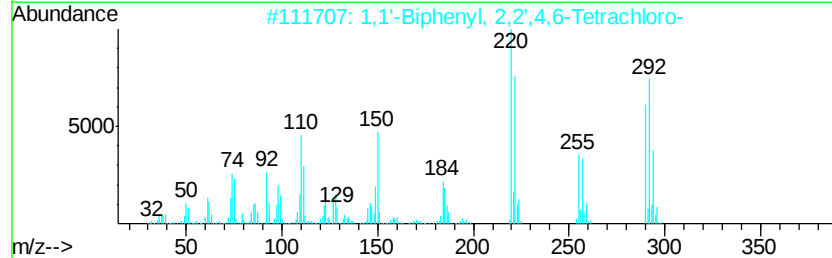
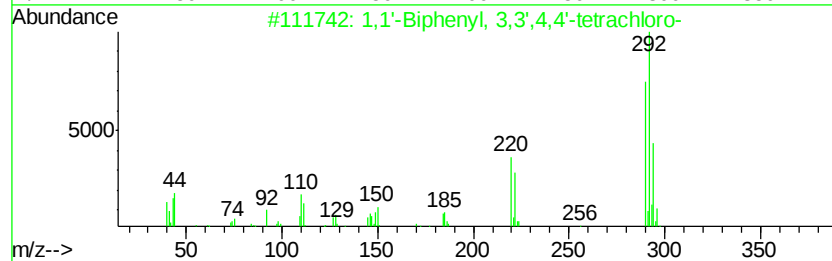
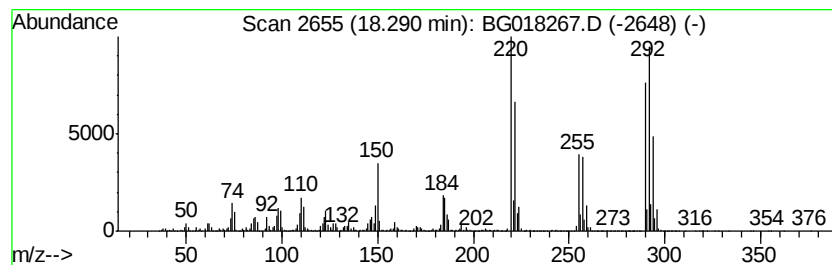
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	147.30 ng/ul	8653480	Phenanthrene-d10	16.90

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, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

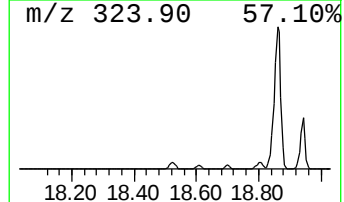
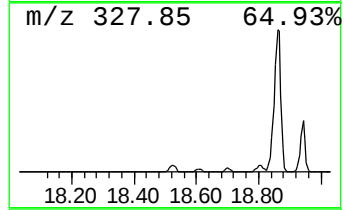
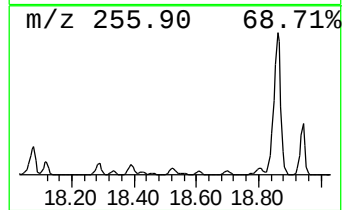
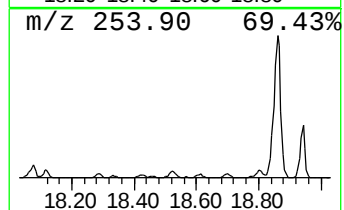
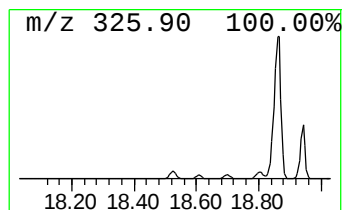
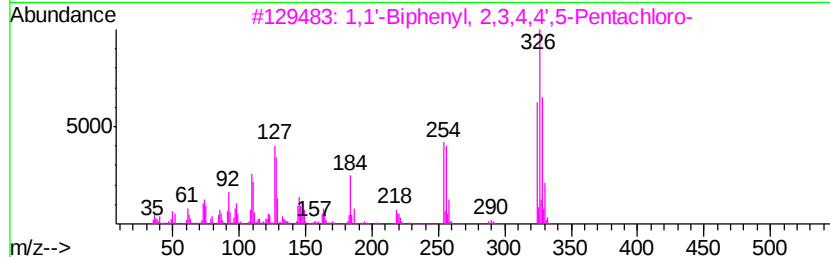
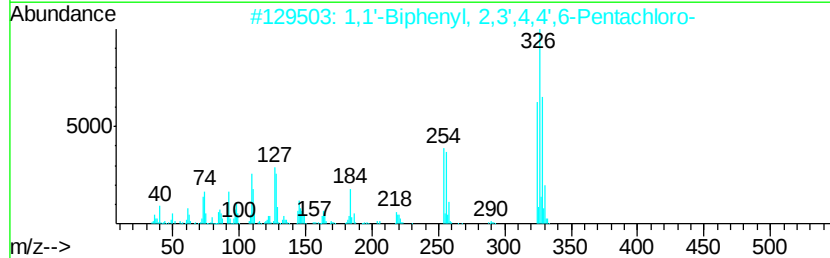
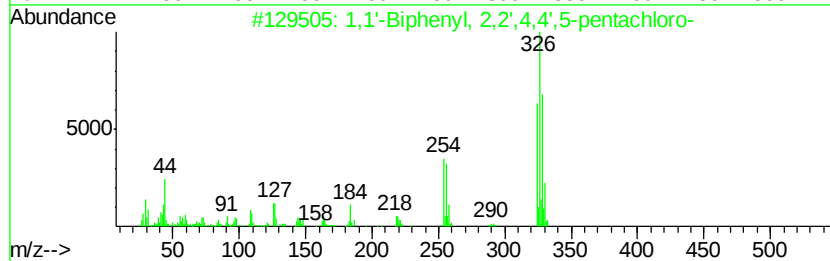
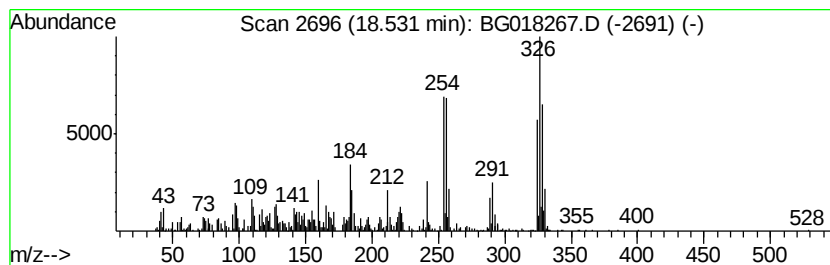
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	12.23 ng/ul	718283	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
2		1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	94
3		1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	94
4		1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	94
5		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

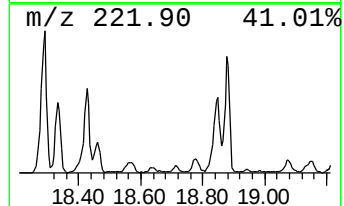
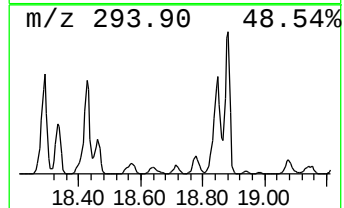
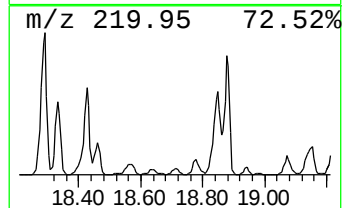
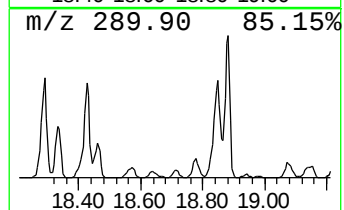
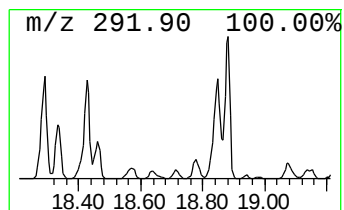
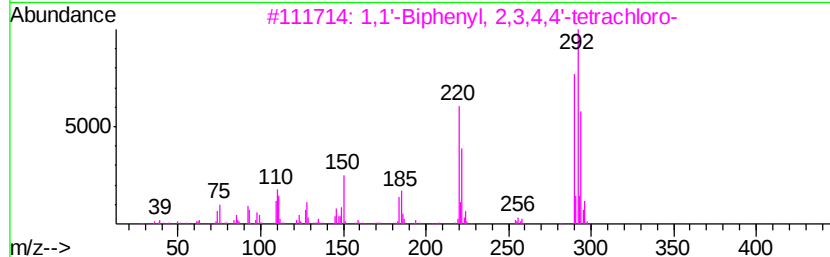
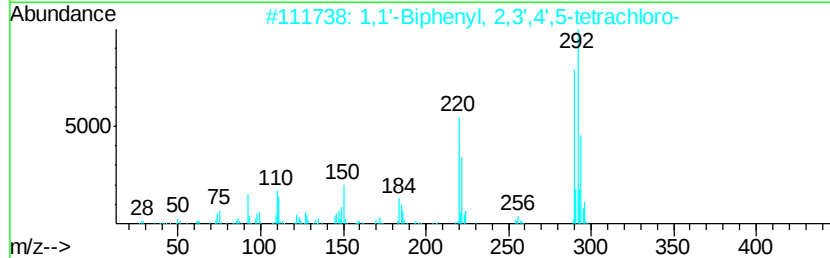
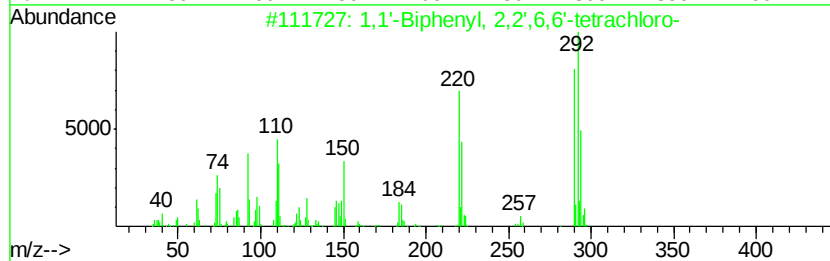
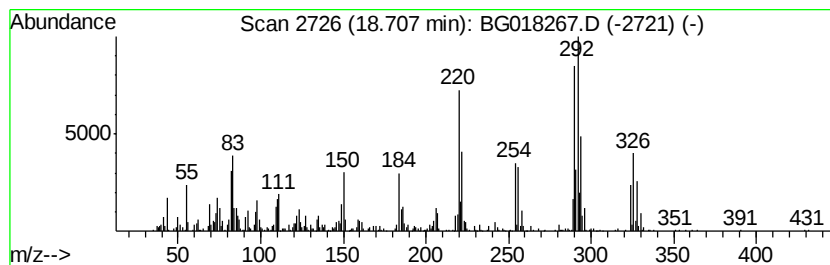
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	17.08 ng/ul	1003360	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	96
2		1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	94
3		1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	93
4		1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	93
5		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

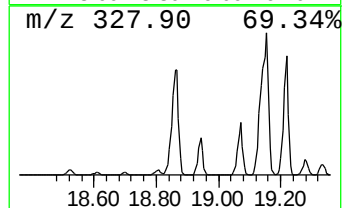
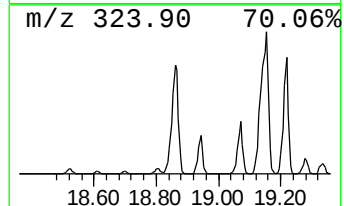
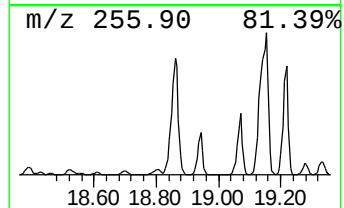
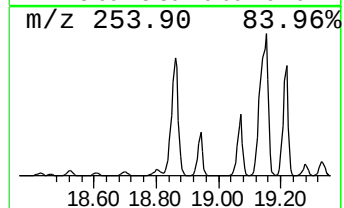
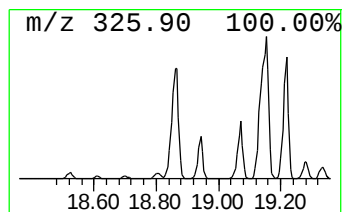
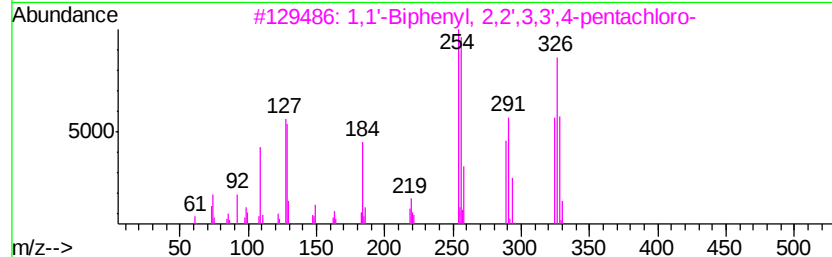
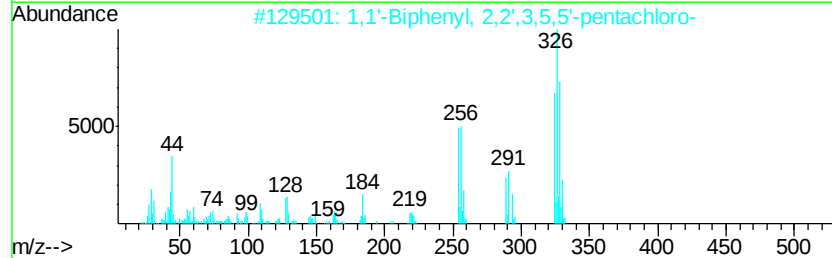
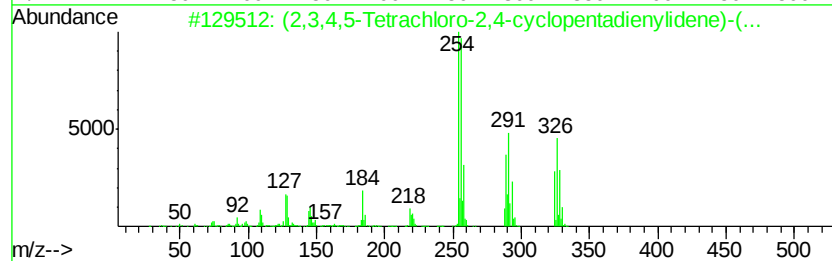
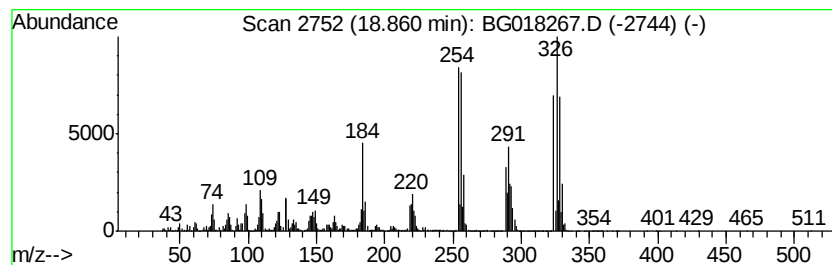
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	496.13 ng/ul	29147000	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	99
2		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3		1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	98
4		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

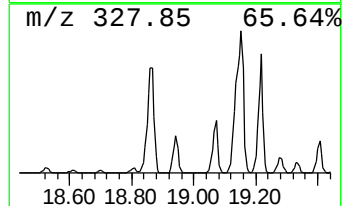
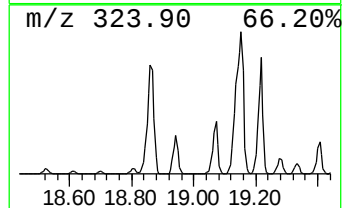
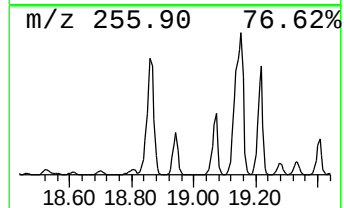
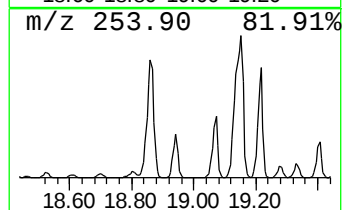
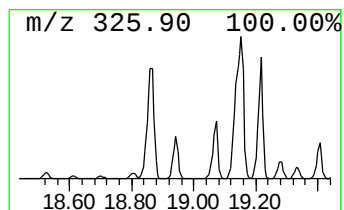
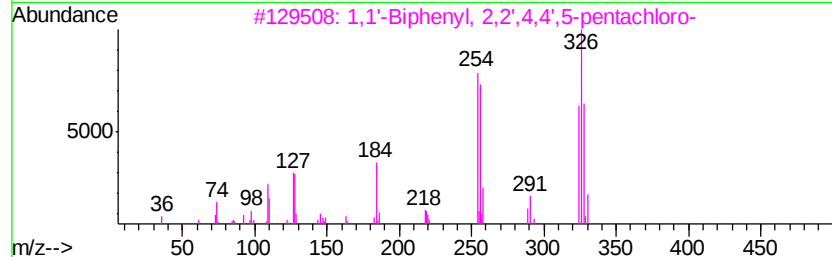
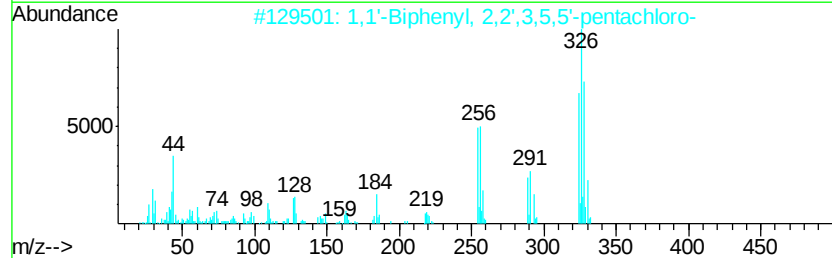
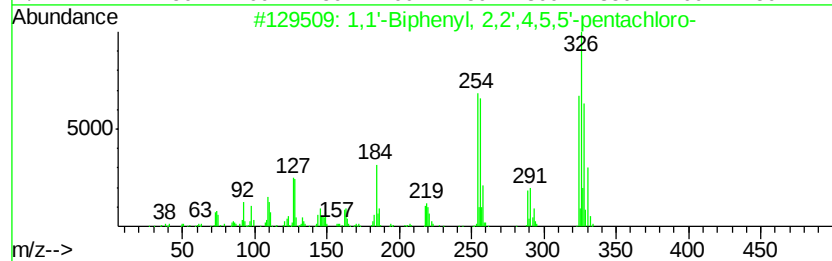
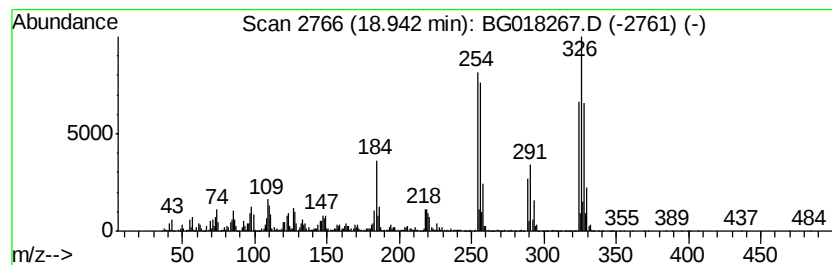
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	77.36 ng/ul	4544950	Phenanthrene-d10	16.90

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	98
3		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
4		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5		1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

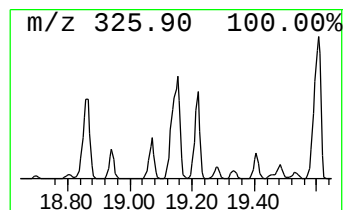
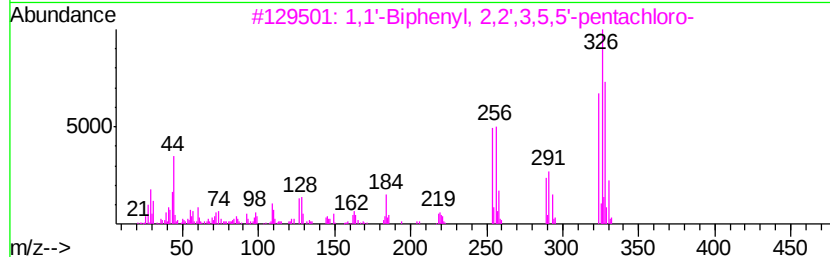
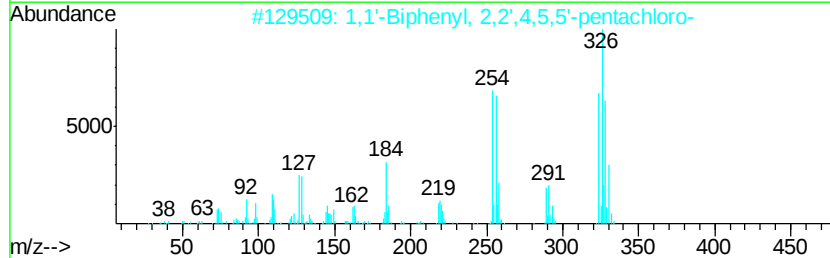
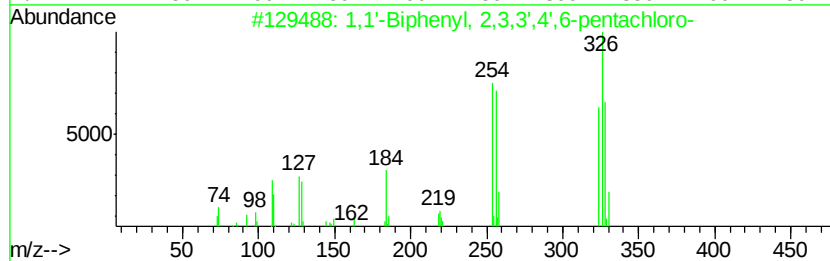
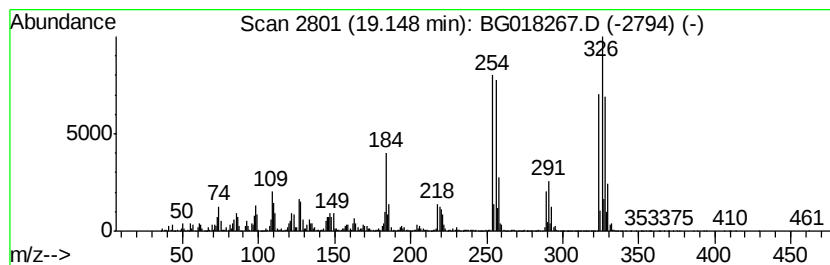
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	118.34 ng/ul	24220400	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
3		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

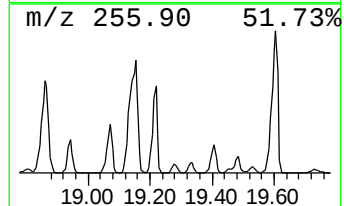
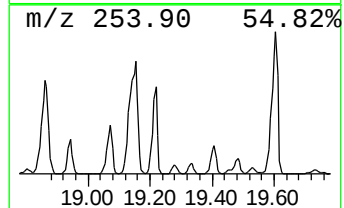
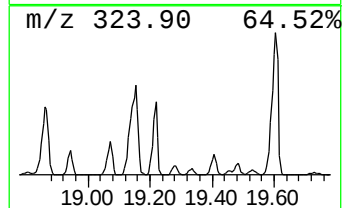
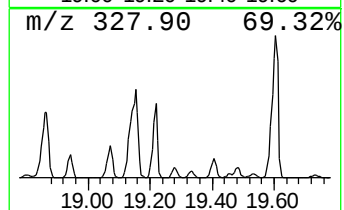
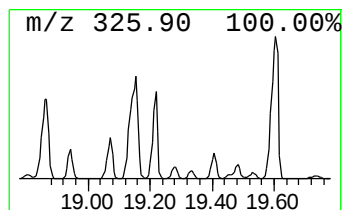
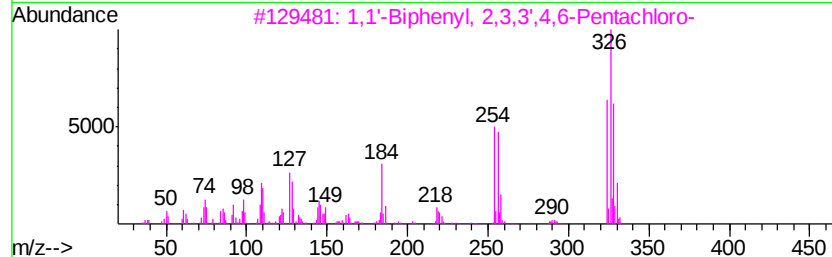
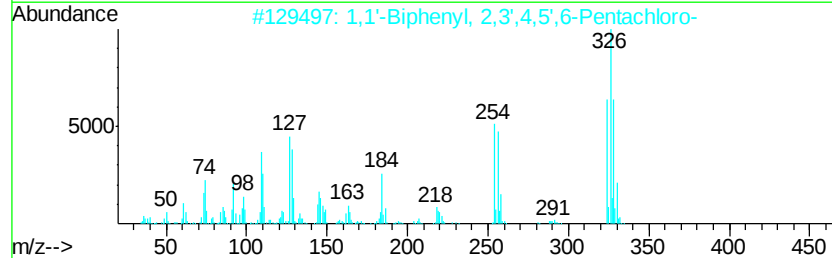
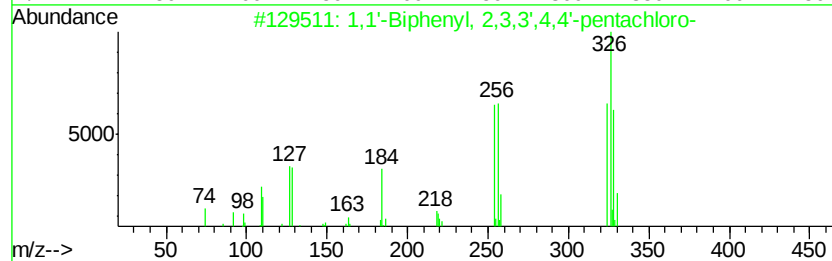
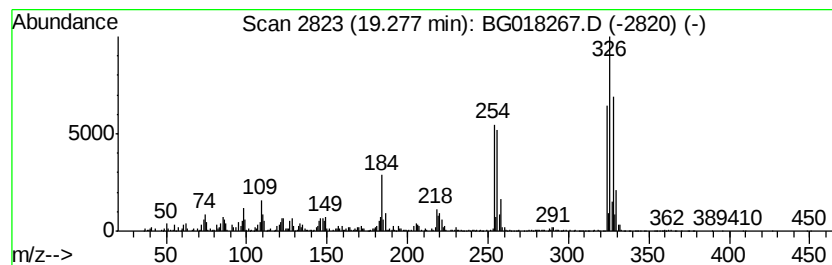
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	6.41 ng/ul	1312350	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	97
2		1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
3		1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
4		1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
5		1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

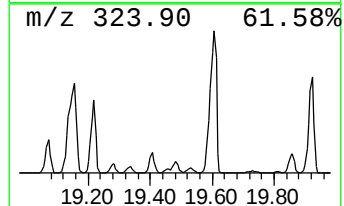
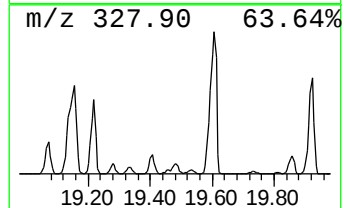
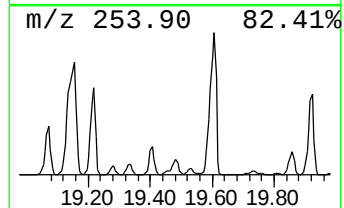
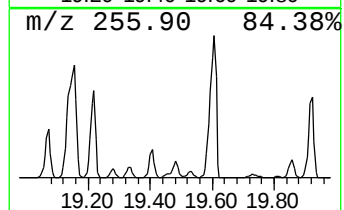
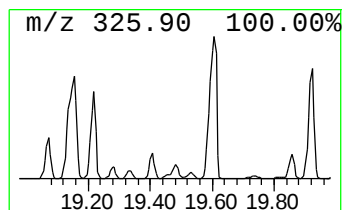
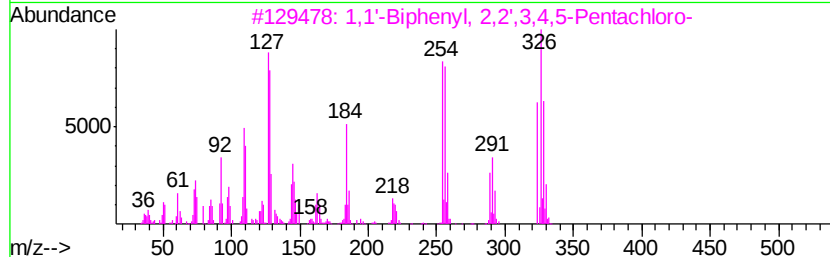
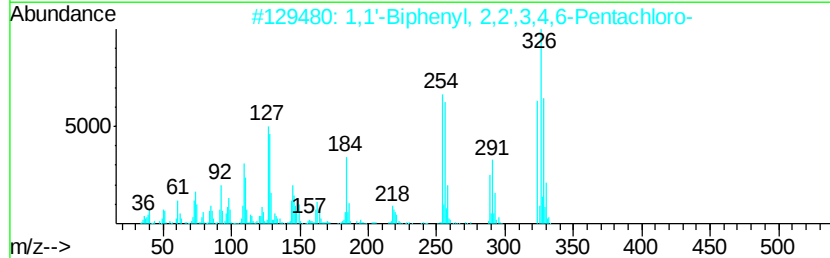
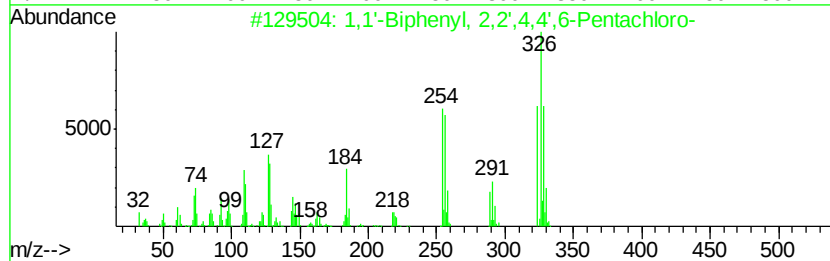
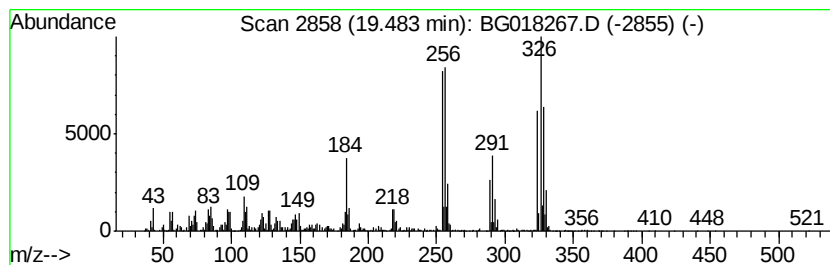
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 46 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	9.98 ng/u1	2042080	Chrysene-d12	21.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324 C12H5Cl5	039485-83-1	96
2	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324 C12H5Cl5	055215-17-3	95
3	1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324 C12H5Cl5	055312-69-1	95
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324 C12H5Cl5	038380-01-7	95
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324 C12H5Cl5	060145-21-3	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

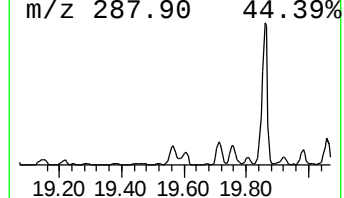
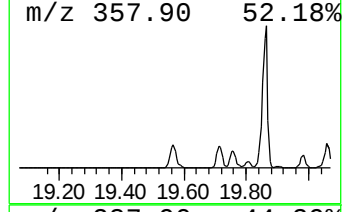
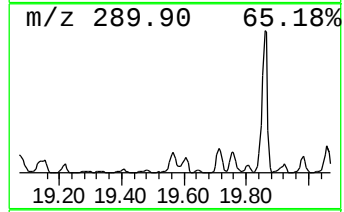
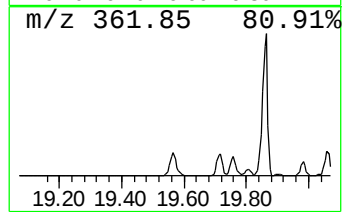
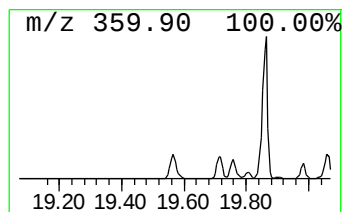
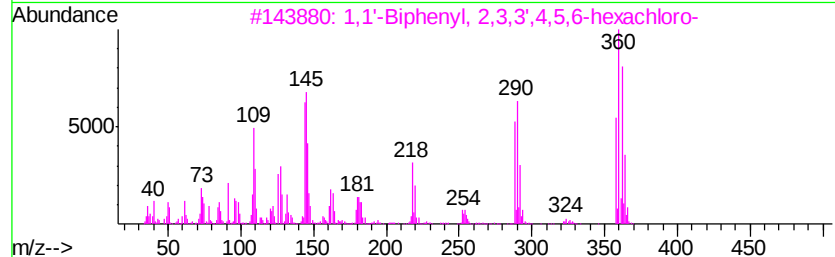
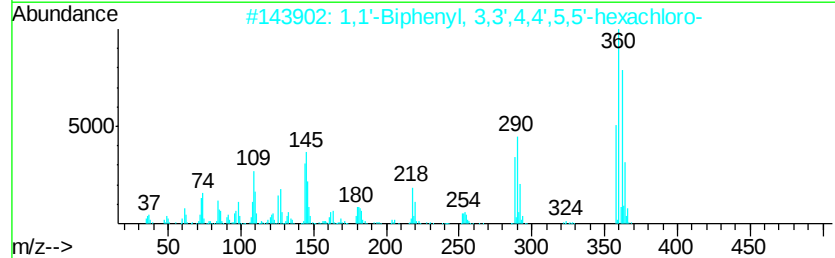
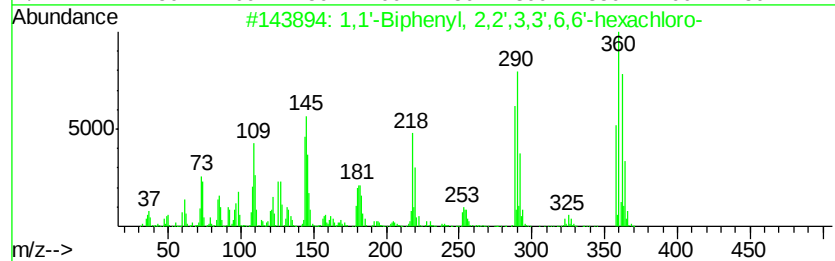
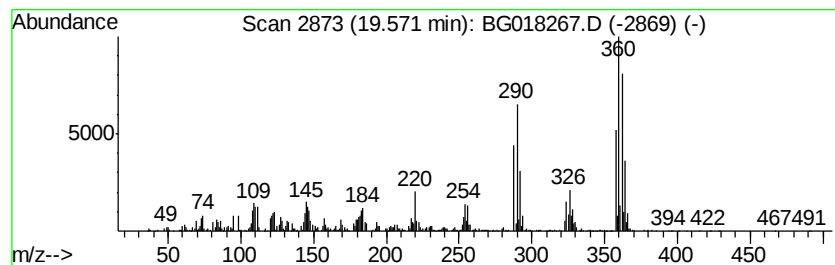
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	8.31 ng/ul	1700950	Chrysene-d12	21.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	96		
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	96		
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	96		
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	95		
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95		



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

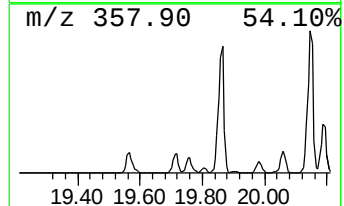
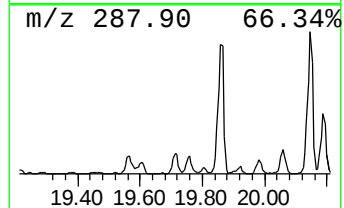
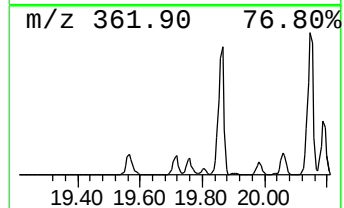
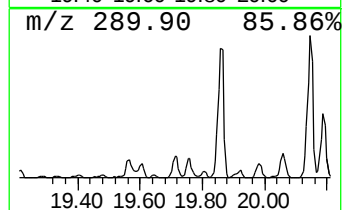
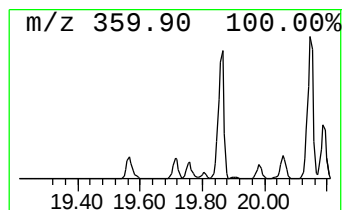
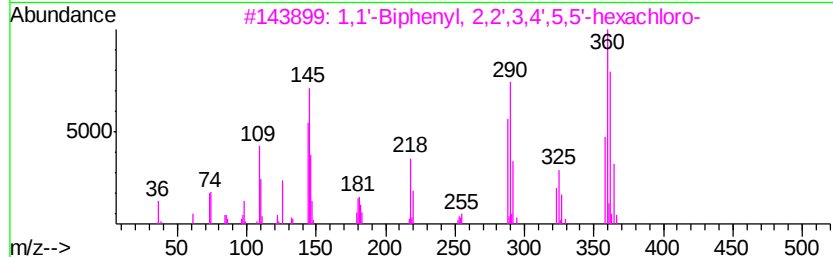
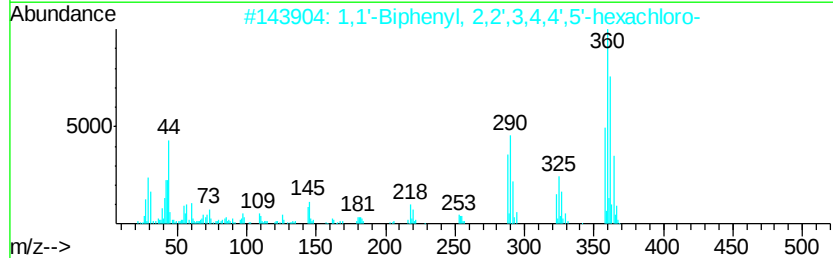
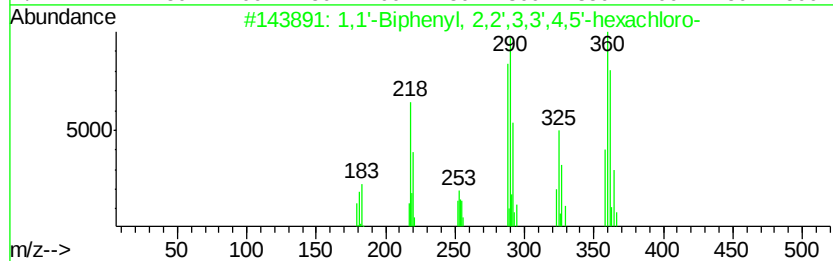
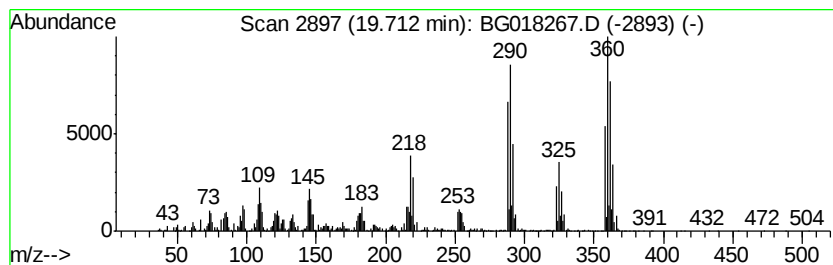
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	10.77 ng/ul	2204160	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
4		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	96
5		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
C02F4

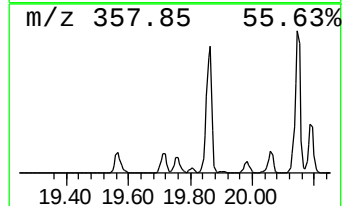
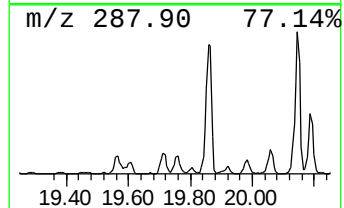
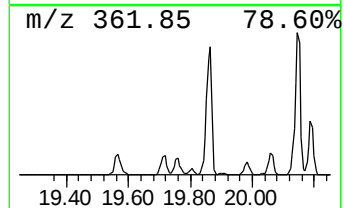
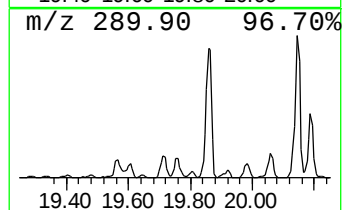
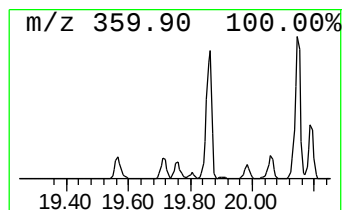
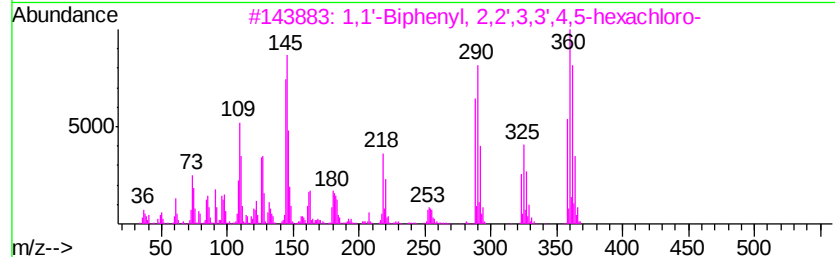
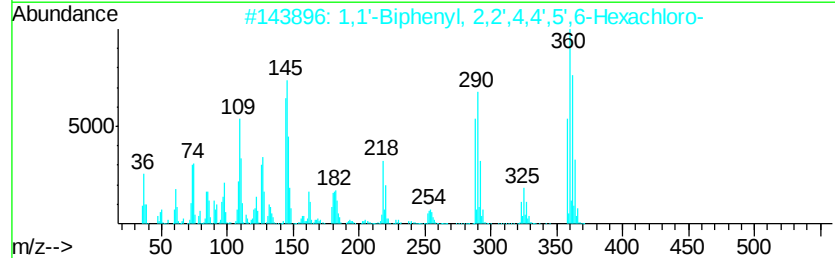
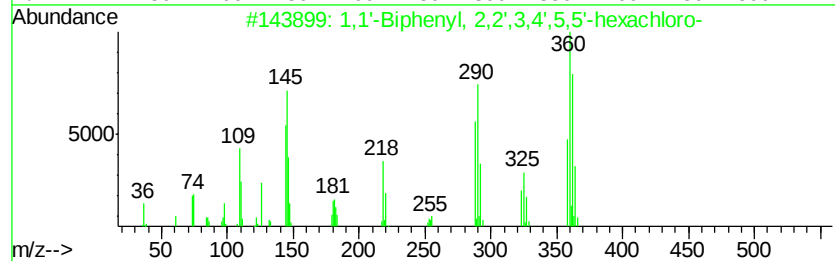
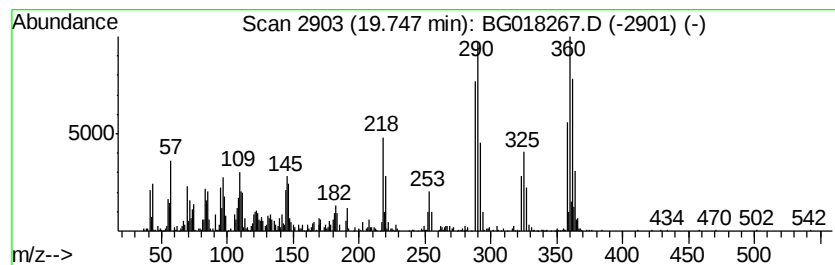
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	8.00 ng/ul	1637940	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	95
2		1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	94
3		1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	94
4		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	94
5		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

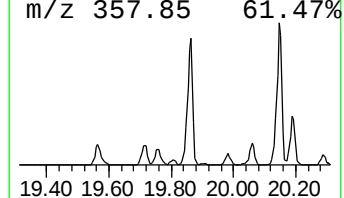
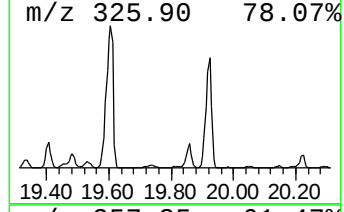
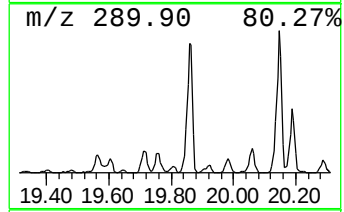
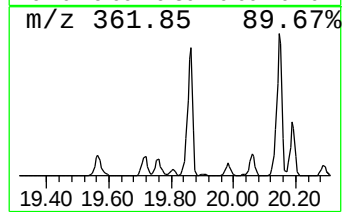
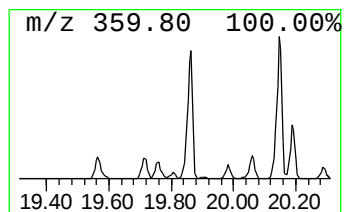
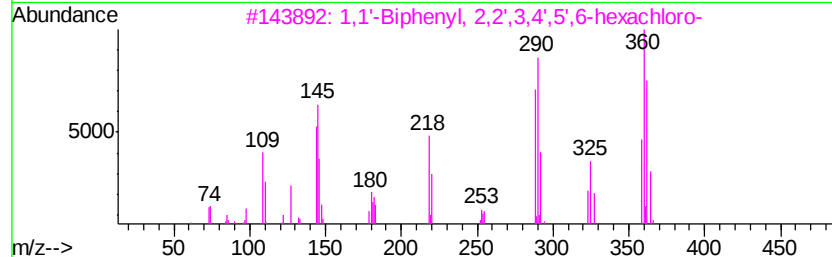
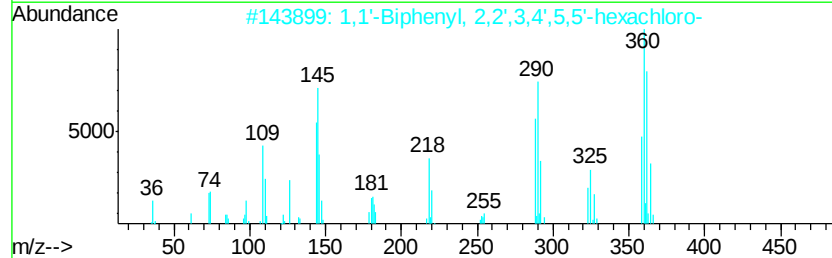
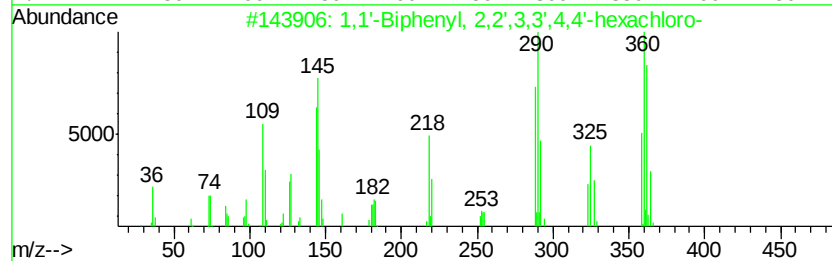
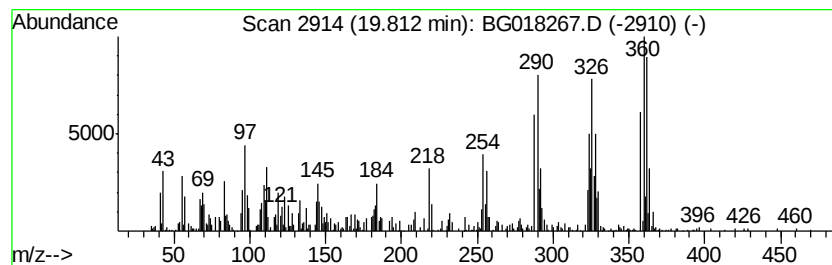
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.79 ng/ul	571691	Chrysene-d12	21.13

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	99		
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	98		
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	95		
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	92		
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	91		



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

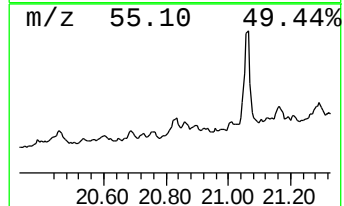
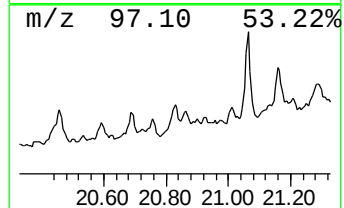
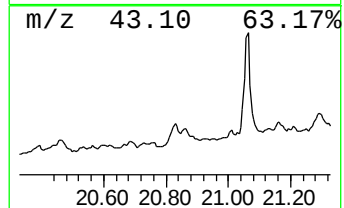
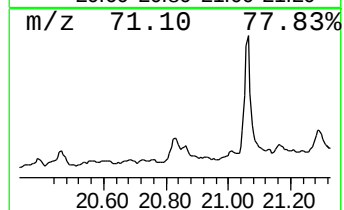
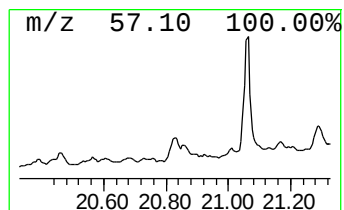
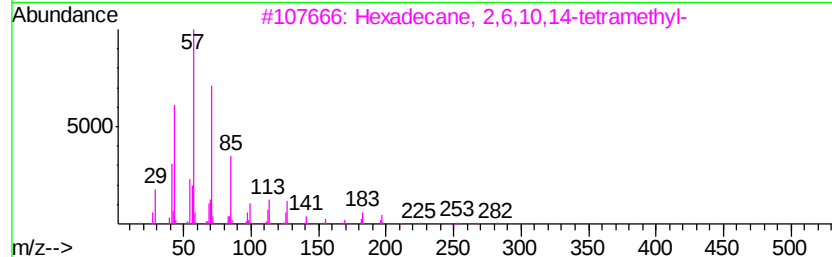
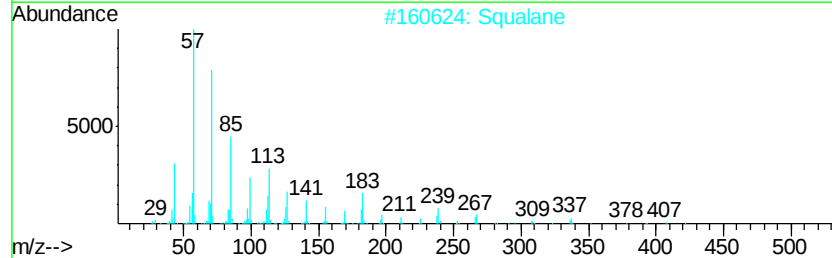
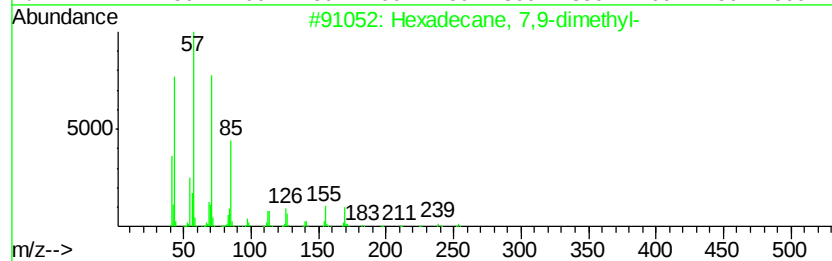
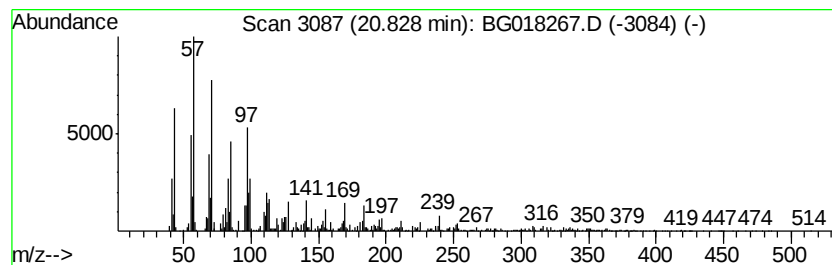
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	9.00 ng/ul	1842640	Chrysene-d12	21.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	90
2		Squalane	422	C30H62	000111-01-3	87
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	70
5		Hexadecane, 6,11-dipentyl-	366	C26H54	015874-03-0	60



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.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, 1,2,3-tr...	7.10	4.0	ng/ul	861169	1	7.46	4278100	20.0
Benzene, 1,2,3-tr...	10.11	9.1	ng/ul	272846	2	10.24	599766	20.0
unknown-01	10.79	7.5	ng/ul	225387	2	10.24	599766	20.0
Decahydro-4,4,8,9...	13.96	10.4	ng/ul	288194	3	14.14	553246	20.0
(DEL) Alkane: Str...	14.05	10.3	ng/ul	286120	3	14.14	553246	20.0
Benzenemethanol, ...	14.55	10.4	ng/ul	286299	3	14.14	553246	20.0
unknown-02	14.68	7.4	ng/ul	204317	3	14.14	553246	20.0
Naphthalene, 1,4,...	14.77	7.7	ng/ul	212559	3	14.14	553246	20.0
unknown-03	14.93	12.8	ng/ul	355058	3	14.14	553246	20.0
1,1'-Biphenyl, 2,...	15.41	69.2	ng/ul	1915040	3	14.14	553246	20.0
1,1'-Biphenyl, 2,...	16.02	31.1	ng/ul	1825520	4	16.90	1174970	20.0
1,1'-Biphenyl, 4,...	16.14	53.8	ng/ul	3159520	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	16.43	15.3	ng/ul	898375	4	16.90	1174970	20.0
Naphthalene, 2,3,...	16.48	7.5	ng/ul	440460	4	16.90	1174970	20.0
(DEL) Alkane: Str...	16.68	3.7	ng/ul	219111	4	16.90	1174970	20.0
(DEL) Alkane: Str...	16.73	7.4	ng/ul	432175	4	16.90	1174970	20.0
1,1'-Biphenyl, 2'...	16.83	44.2	ng/ul	2597550	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	17.64	148.4	ng/ul	8716000	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	17.93	29.9	ng/ul	1753630	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	18.01	558.6	ng/ul	32819300	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	18.08	481.7	ng/ul	28300900	4	16.90	1174970	20.0
1,1'-Biphenyl, 3,...	18.29	147.3	ng/ul	8653480	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	18.53	12.2	ng/ul	718283	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	18.71	17.1	ng/ul	1003360	4	16.90	1174970	20.0
(2,3,4,5-Tetrachl...	18.86	496.1	ng/ul	29147000	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	18.94	77.4	ng/ul	4544950	4	16.90	1174970	20.0
1,1'-Biphenyl, 2,...	19.15	118.3	ng/ul	24220400	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.28	6.4	ng/ul	1312350	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.48	10.0	ng/ul	2042080	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.57	8.3	ng/ul	1700950	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.71	10.8	ng/ul	2204160	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.75	8.0	ng/ul	1637940	5	21.13	4093480	20.0
1,1'-Biphenyl, 2,...	19.81	2.8	ng/ul	571691	5	21.13	4093480	20.0
(DEL) Alkane: Str...	20.83	9.0	ng/ul	1842640	5	21.13	4093480	20.0