

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002133.D
 Acq On : 30 Jul 2015 13:00
 Operator : TP/UM
 Sample : G3030-15RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F0RE

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_M\METHODS\SOM02.2-EPA-BM072715.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	7.587	823	833	847	rVB	519877	815170	3.24%	0.280%
2	8.304	949	955	962	rBV	387259	611269	2.43%	0.210%
3	10.004	1237	1244	1253	rBV	457300	734485	2.92%	0.252%
4	10.375	1296	1307	1312	rBV	707693	1168008	4.64%	0.401%
5	13.669	1862	1867	1871	rVV	770053	1097653	4.36%	0.377%
6	13.716	1871	1875	1881	rVB	440647	601133	2.39%	0.206%
7	13.945	1908	1914	1917	rBV	780425	1261350	5.01%	0.433%
8	13.974	1917	1919	1927	rVB	490005	598401	2.38%	0.206%
9	14.257	1954	1967	1972	rBV3	971220	1714442	6.81%	0.589%
10	14.316	1972	1977	1985	rVV	914534	1422798	5.65%	0.489%
11	14.474	1996	2004	2012	rBV3	275546	621448	2.47%	0.213%
12	14.651	2024	2034	2041	rVB	681097	1120760	4.45%	0.385%
13	15.251	2131	2136	2140	rVB	834072	1171133	4.65%	0.402%
14	15.310	2140	2146	2150	rBV	1647201	2335721	9.28%	0.802%
15	15.398	2156	2161	2164	rBV3	412375	636116	2.53%	0.218%
16	15.516	2177	2181	2185	rVV	620852	863465	3.43%	0.297%
17	15.598	2191	2195	2203	rVB	349668	663143	2.63%	0.228%
18	15.745	2216	2220	2228	rVB	291958	625213	2.48%	0.215%
19	16.310	2308	2316	2320	rVV2	487523	952747	3.79%	0.327%
20	16.539	2346	2355	2358	rBV3	453077	915231	3.64%	0.314%
21	16.757	2384	2392	2398	rBV5	237786	663901	2.64%	0.228%
22	16.827	2398	2404	2412	rVB	989356	1528359	6.07%	0.525%
23	17.010	2429	2435	2437	rBV2	891428	1405030	5.58%	0.483%
24	17.068	2437	2445	2449	rVV	11712986	20463552	81.30%	7.028%
25	17.110	2449	2452	2455	rVV	868458	1273590	5.06%	0.437%
26	17.151	2455	2459	2462	rVV	3125378	4259330	16.92%	1.463%
27	17.186	2462	2465	2472	rVB3	386421	695028	2.76%	0.239%
28	17.415	2500	2504	2508	rVV	431881	631344	2.51%	0.217%
29	17.586	2529	2533	2542	rVB2	799022	1617623	6.43%	0.556%
30	17.721	2552	2556	2565	rVB2	696438	1268997	5.04%	0.436%
31	17.804	2565	2570	2574	rBV2	453776	651789	2.59%	0.224%
32	17.886	2577	2584	2588	rVV	2465884	4112934	16.34%	1.413%
33	17.933	2588	2592	2597	rVV	3012080	4281701	17.01%	1.471%
34	18.015	2601	2606	2611	rVV	1136134	1711737	6.80%	0.588%

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Integration Parameters: LSCINT.P

Integrator: RTE
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35	18.080	2611	2617	2621	rVV2	5002681	8515647	33.83%	2.925%
36	18.121	2621	2624	2630	rVV2	1971813	3326570	13.22%	1.143%
37	18.180	2630	2634	2640	rVV3	824339	1195545	4.75%	0.411%
38	18.386	2661	2669	2674	rVV	1659123	3429580	13.62%	1.178%
39	18.439	2675	2678	2682	rVV	646832	949825	3.77%	0.326%
40	18.509	2686	2690	2693	rVV2	447275	616878	2.45%	0.212%
41	18.633	2708	2711	2716	rVV	700548	1062943	4.22%	0.365%
42	18.686	2716	2720	2723	rVV	615792	845608	3.36%	0.290%
43	18.815	2736	2742	2746	rBV	1250972	2243991	8.91%	0.771%
44	18.874	2746	2752	2755	rVV2	824731	1634607	6.49%	0.561%
45	18.915	2755	2759	2760	rVV2	714244	973076	3.87%	0.334%
46	18.945	2760	2764	2774	rVB5	2344380	4295160	17.06%	1.475%
47	19.098	2781	2790	2794	rBV	11524735	19551936	77.67%	6.715%
48	19.145	2794	2798	2802	rVV2	739068	1111564	4.42%	0.382%
49	19.227	2807	2812	2817	rVB	2931927	4270155	16.96%	1.467%
50	19.292	2819	2823	2826	rBV3	723876	966507	3.84%	0.332%
51	19.327	2826	2829	2833	rVB	499567	639178	2.54%	0.220%
52	19.468	2840	2853	2858	rBV	12016456	25171631	100.00%	8.646%
53	19.515	2858	2861	2866	rVB2	626130	825551	3.28%	0.284%
54	19.562	2866	2869	2873	rVB	553151	602271	2.39%	0.207%
55	19.621	2874	2879	2881	rBV	506508	820165	3.26%	0.282%
56	19.674	2884	2888	2895	rVB2	2122574	3336469	13.25%	1.146%
57	19.792	2899	2908	2912	rBV3	2103706	4270098	16.96%	1.467%
58	19.939	2923	2933	2938	rVB2	6115084	10263967	40.78%	3.525%
59	19.992	2938	2942	2945	rBV	1213719	1435206	5.70%	0.493%
60	20.051	2947	2952	2956	rVV	2193812	3081502	12.24%	1.058%
61	20.109	2956	2962	2964	rVV2	1551090	2464198	9.79%	0.846%
62	20.139	2964	2967	2972	rVV2	1142246	1562060	6.21%	0.537%
63	20.215	2976	2980	2983	rVV	4692356	5640364	22.41%	1.937%
64	20.245	2983	2985	2987	rVV	1106468	1339435	5.32%	0.460%
65	20.268	2987	2989	2991	rVV2	1498739	1709830	6.79%	0.587%
66	20.292	2991	2993	2997	rVB2	1617102	1720528	6.84%	0.591%
67	20.368	3002	3006	3011	rBV3	1542057	2233651	8.87%	0.767%
68	20.533	3025	3034	3040	rBV	3589309	7088639	28.16%	2.435%
69	20.680	3051	3059	3067	rBV3	2132299	4486987	17.83%	1.541%
70	20.745	3067	3070	3074	rVB2	975085	1113227	4.42%	0.382%
71	20.862	3082	3090	3093	rBV3	1571625	3105067	12.34%	1.066%

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Integration Parameters: LSCINT.P

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72	20.903	3093	3097	3100	rVV	1333654	1772770	7.04%	0.609%
73	20.945	3100	3104	3108	rVV2	2450217	3299611	13.11%	1.133%
74	21.003	3108	3114	3120	rVB3	1542003	2626327	10.43%	0.902%
75	21.098	3127	3130	3133	rBV	493725	636754	2.53%	0.219%
76	21.209	3143	3149	3152	rVV	7216076	11990970	47.64%	4.118%
77	21.239	3152	3154	3156	rVV	5289088	6697471	26.61%	2.300%
78	21.262	3156	3158	3163	rVV	6441038	7548370	29.99%	2.593%
79	21.374	3173	3177	3182	rBV	1304311	1589100	6.31%	0.546%
80	21.545	3199	3206	3213	rBV4	1715465	3523065	14.00%	1.210%
81	21.603	3213	3216	3221	rVB2	605994	791060	3.14%	0.272%
82	21.668	3223	3227	3230	rVV3	841723	1094404	4.35%	0.376%
83	21.709	3230	3234	3237	rVV2	836613	1239471	4.92%	0.426%
84	21.762	3237	3243	3248	rVV	1668440	3293676	13.08%	1.131%
85	21.809	3248	3251	3255	rVV	907954	1334856	5.30%	0.458%
86	21.856	3255	3259	3265	rVV4	873139	2022591	8.04%	0.695%
87	21.909	3265	3268	3272	rVV2	683950	1113326	4.42%	0.382%
88	21.956	3272	3276	3278	rVV	916040	1422705	5.65%	0.489%
89	21.986	3279	3281	3288	rVV3	898157	2004188	7.96%	0.688%
90	22.045	3288	3291	3300	rVB2	767705	1346772	5.35%	0.463%
91	22.227	3318	3322	3329	rVB5	596551	1013572	4.03%	0.348%
92	22.515	3367	3371	3376	rVB4	379168	622047	2.47%	0.214%
93	22.774	3408	3415	3420	rBV	3214592	8039043	31.94%	2.761%
94	22.933	3437	3442	3452	rVB	814573	1374316	5.46%	0.472%
95	23.239	3488	3494	3499	rBV	2038196	4212649	16.74%	1.447%
96	23.344	3505	3512	3518	rVB	3622974	6963441	27.66%	2.392%
97	23.427	3522	3526	3530	rVV	759875	1445470	5.74%	0.496%
98	23.474	3530	3534	3541	rVB2	1055322	2011250	7.99%	0.691%
99	25.656	3895	3905	3914	rVB	1616592	4666629	18.54%	1.603%
100	26.344	4013	4022	4035	rVB2	1000483	3062818	12.17%	1.052%

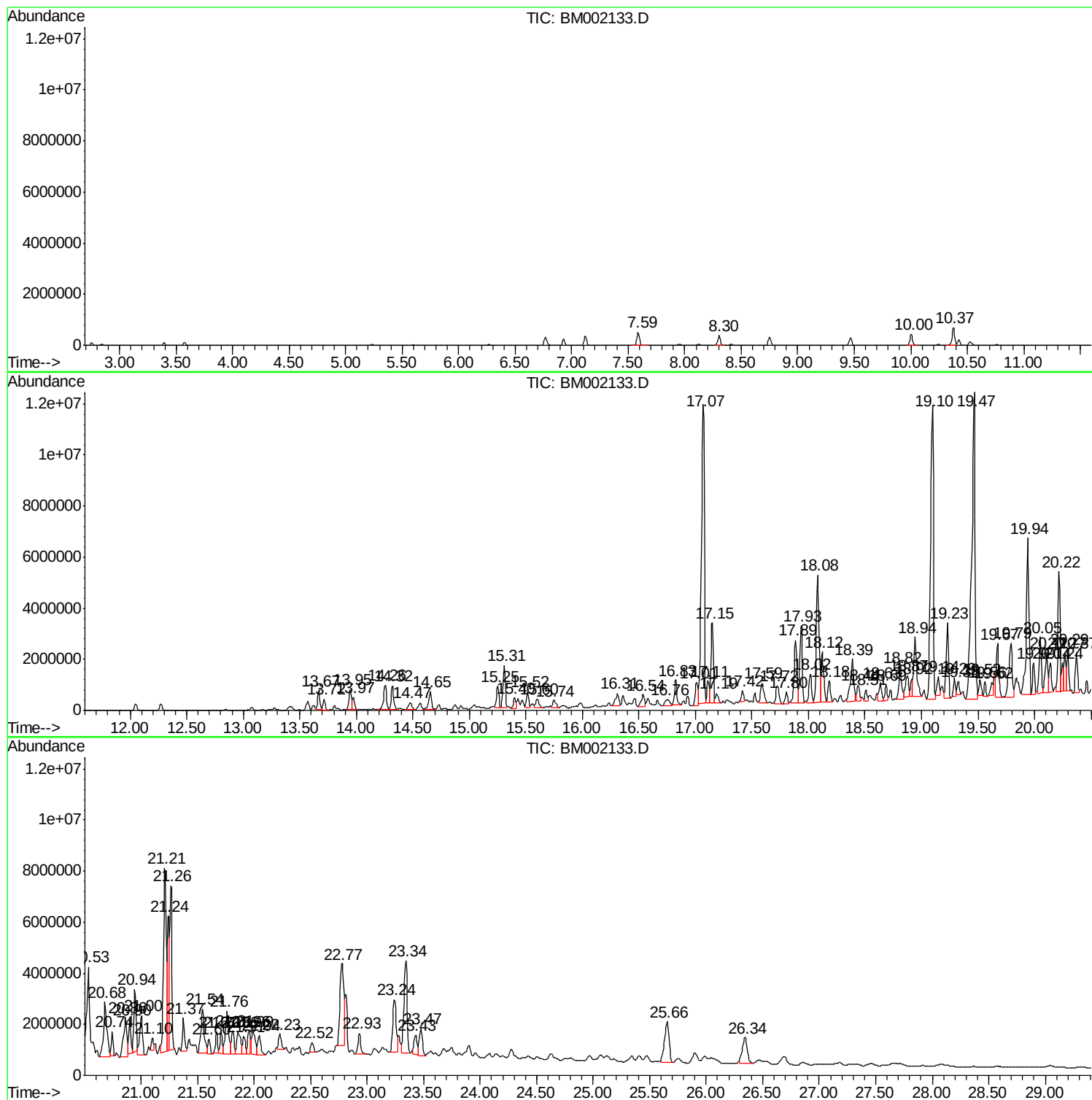
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



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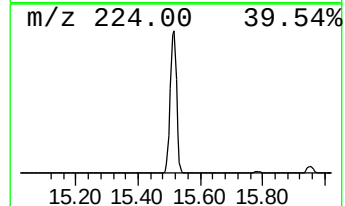
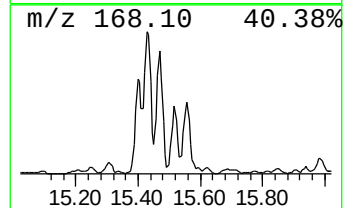
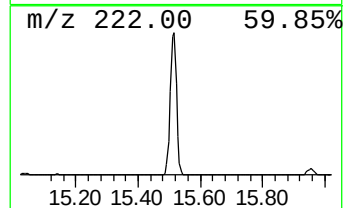
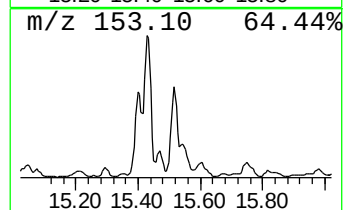
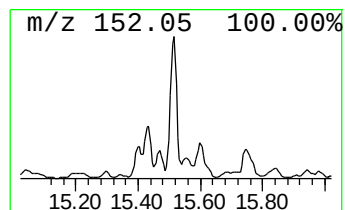
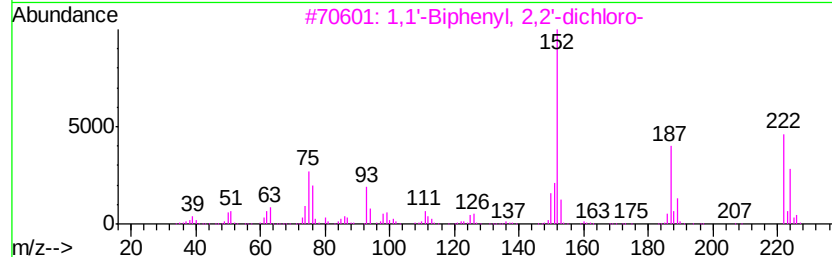
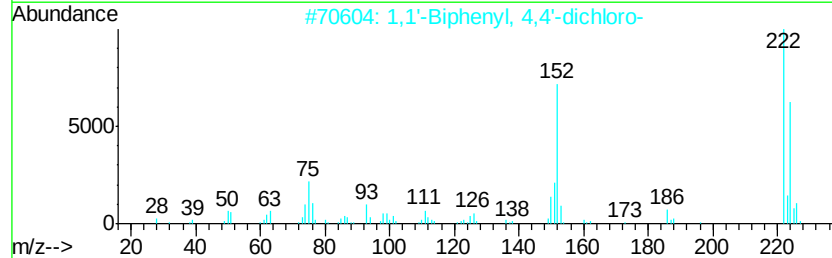
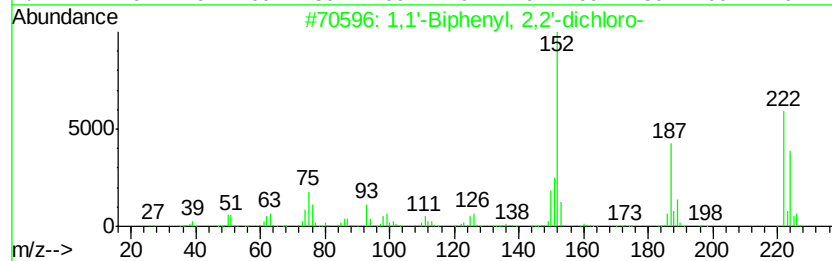
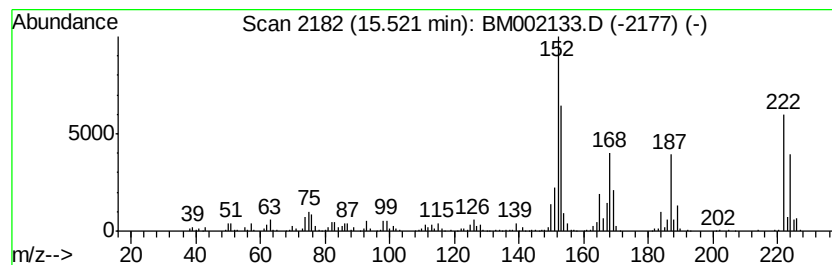
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	10.07 ng/ul	863465	Acenaphthene-d10	14.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8 98
2	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2 94
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8 93
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7 86
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2 83



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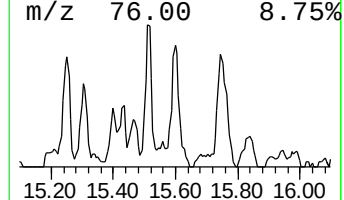
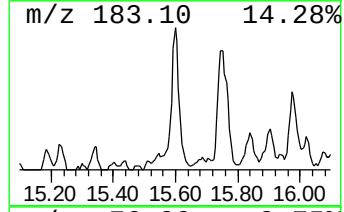
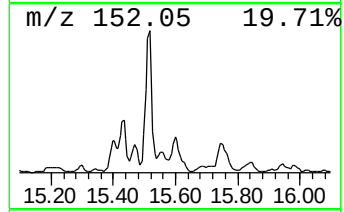
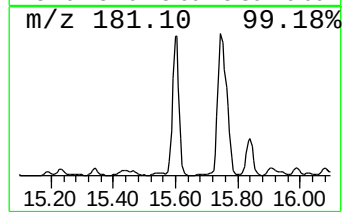
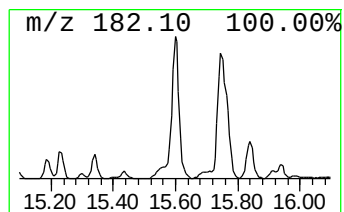
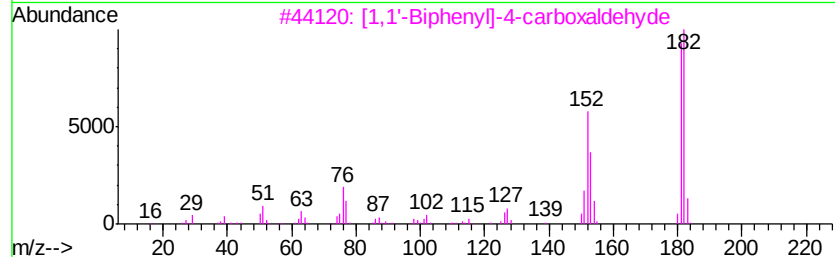
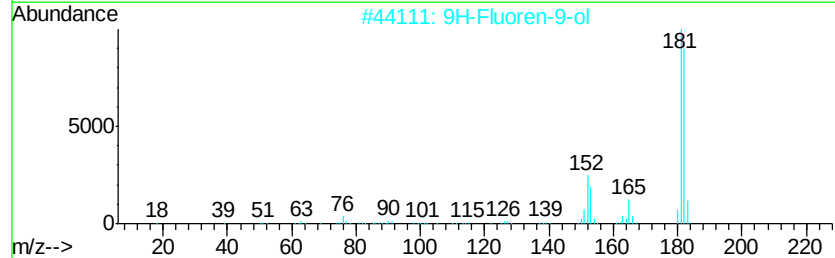
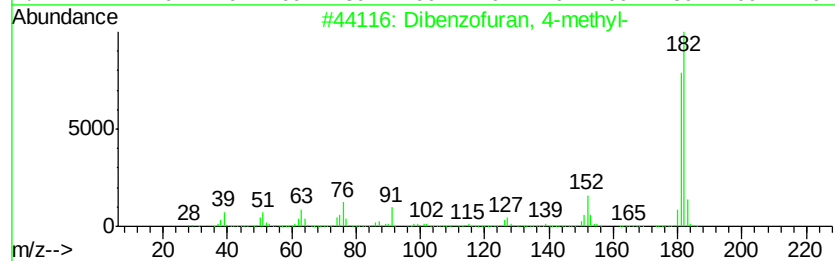
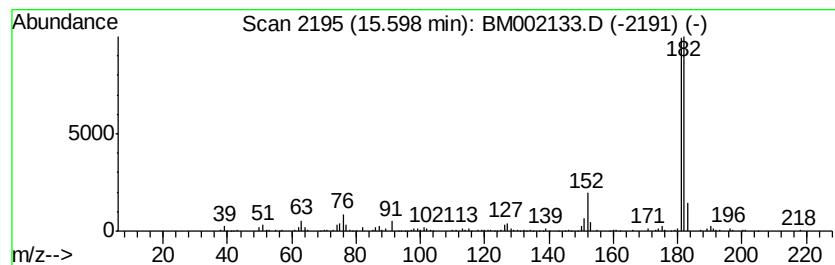
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	7.74 ng/ul	663143	Acenaphthene-d10	14.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5		Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72



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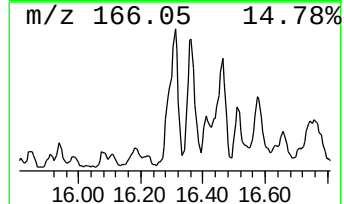
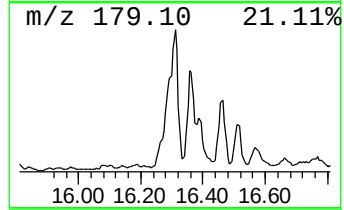
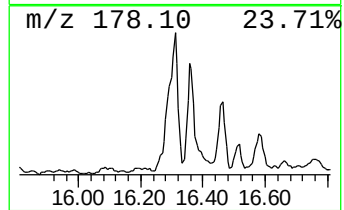
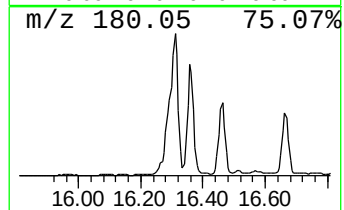
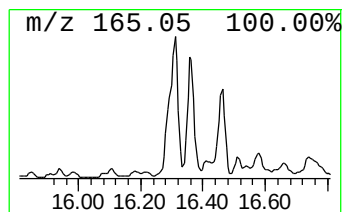
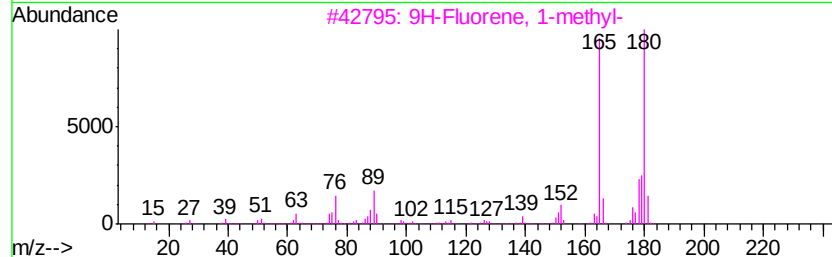
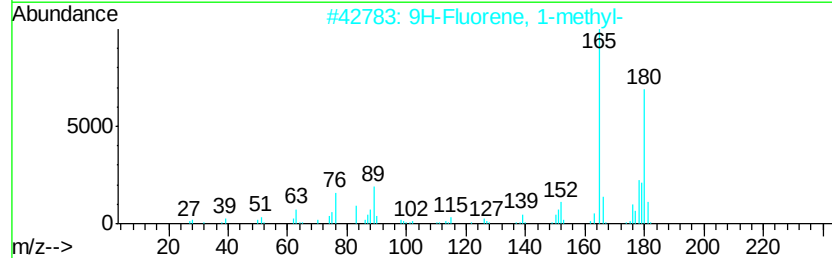
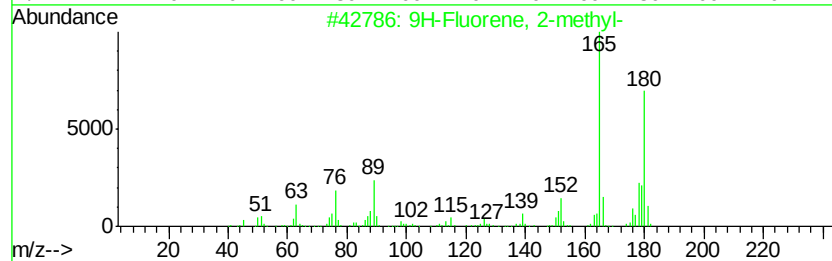
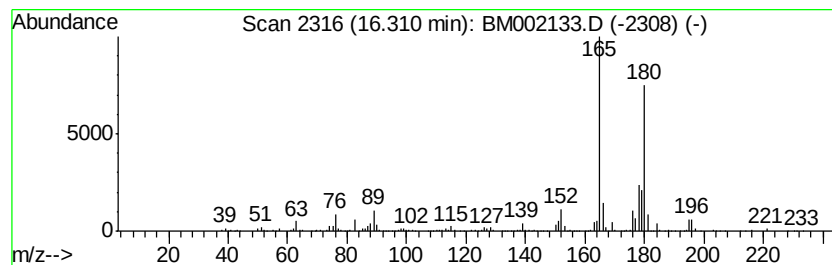
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	13.56 ng/ul	952747	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

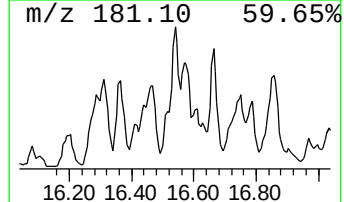
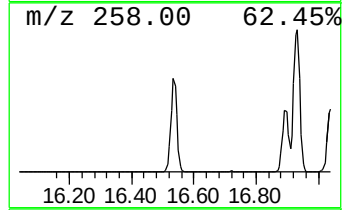
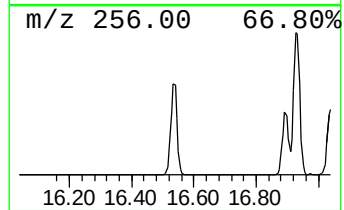
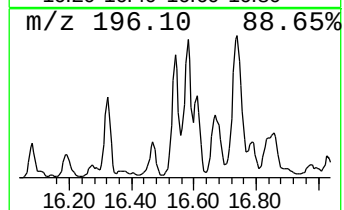
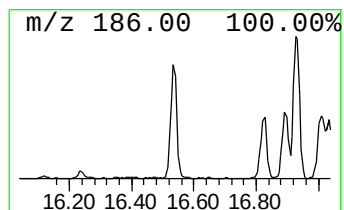
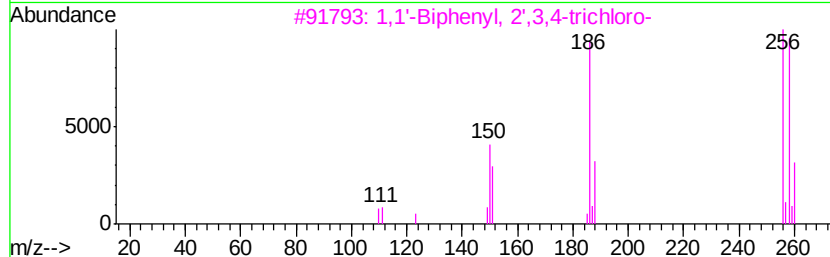
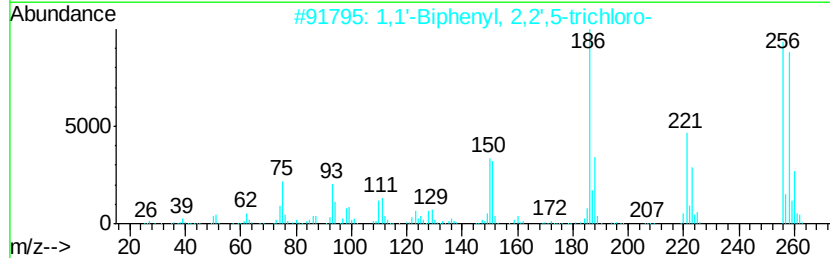
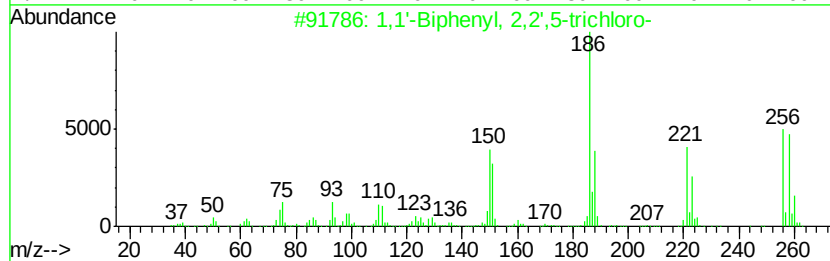
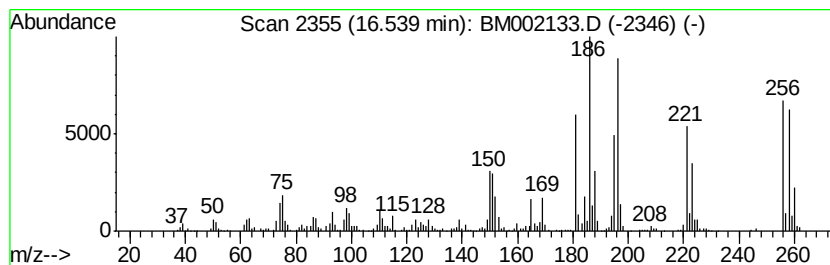
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	13.03 ng/ul	915231	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
2		1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	95
3		1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	92
4		1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	86
5		1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
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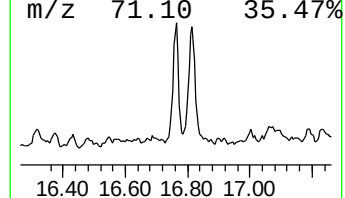
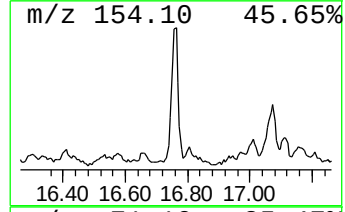
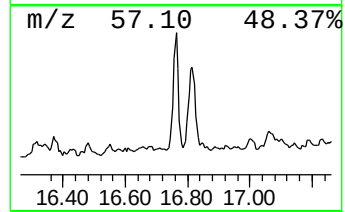
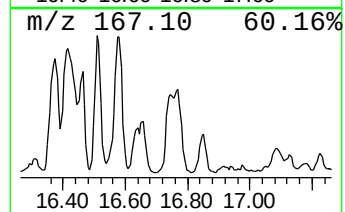
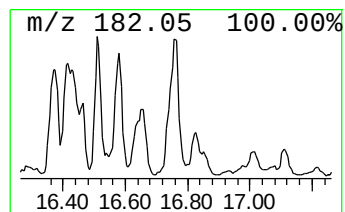
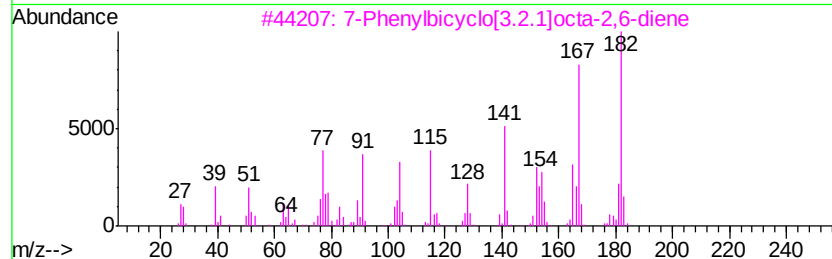
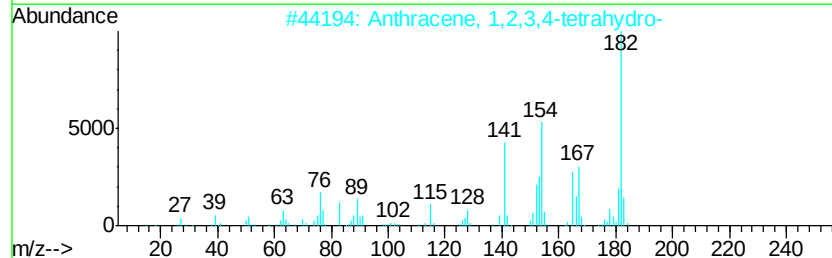
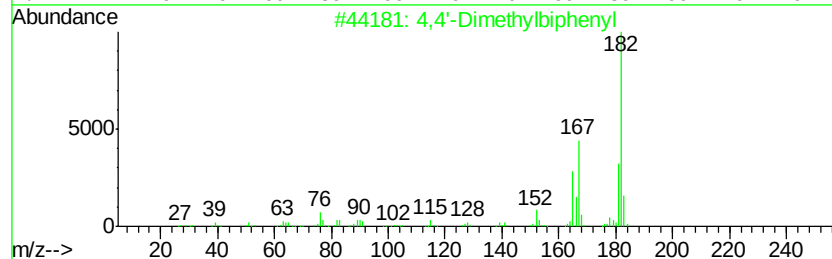
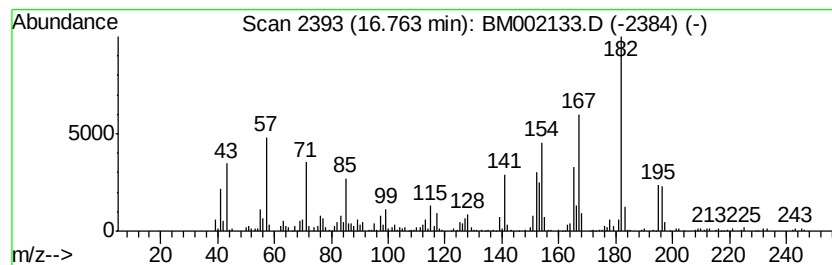
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 4,4'-Dimethylbiphenyl Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	9.45 ng/ul	663901	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	80
2		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	55
3		7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	50
4		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	50
5		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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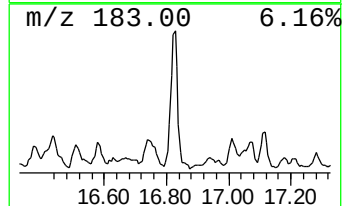
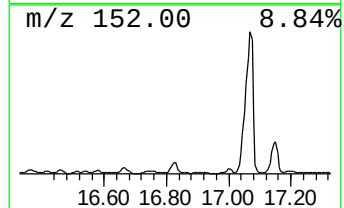
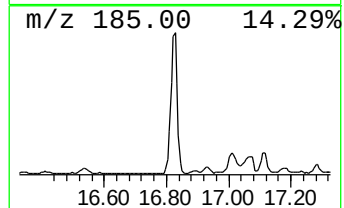
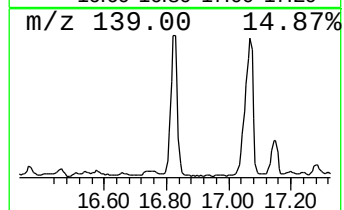
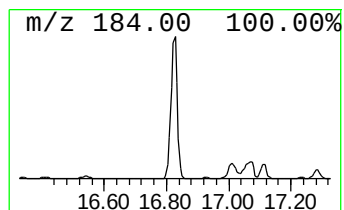
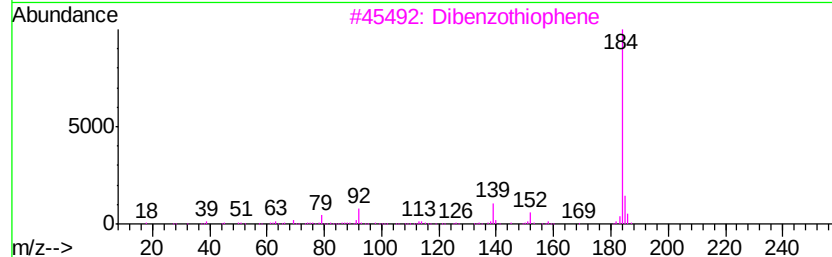
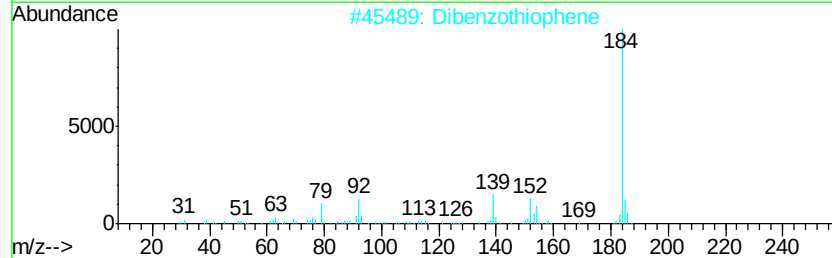
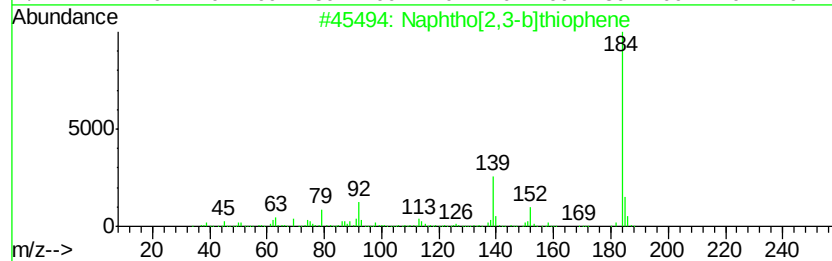
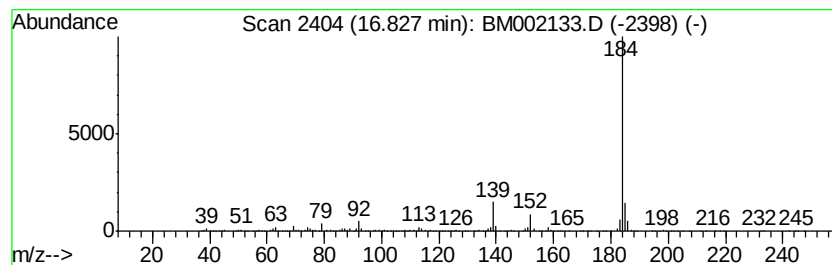
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	21.76 ng/ul	1528360	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Dibenzothiophene	184	C12H8S	000132-65-0	94
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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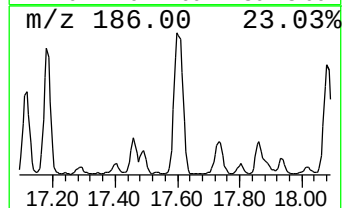
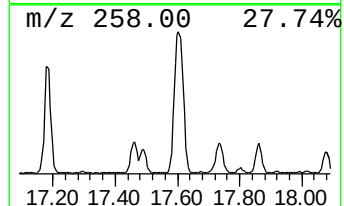
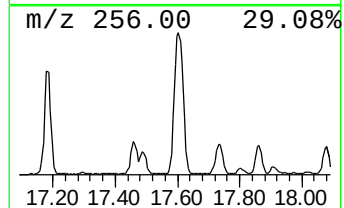
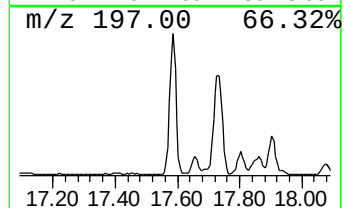
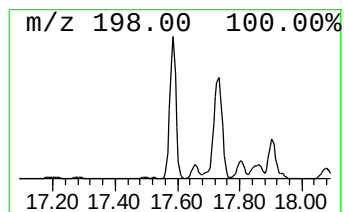
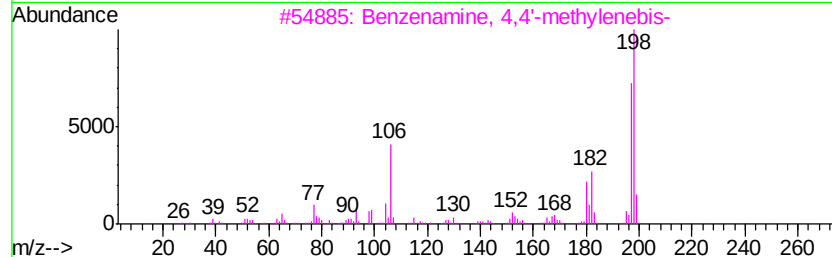
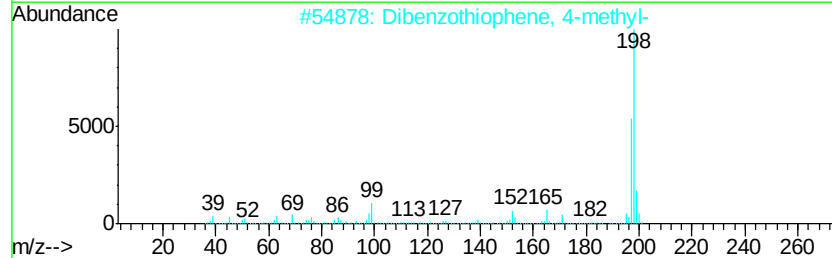
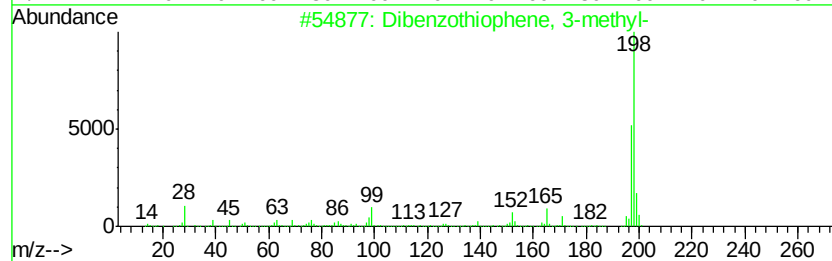
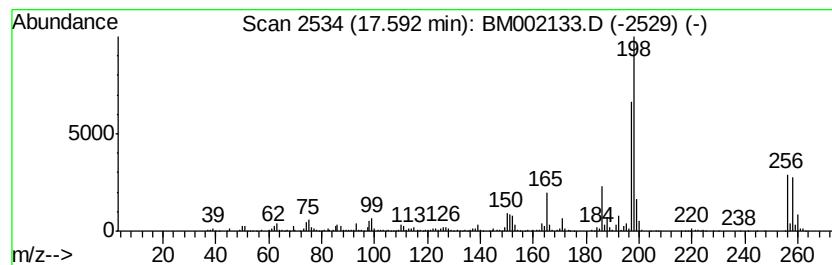
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	23.03 ng/ul	1617620	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
3		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53
4		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	53
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
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Instrument :
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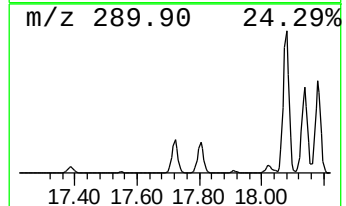
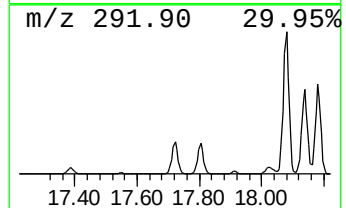
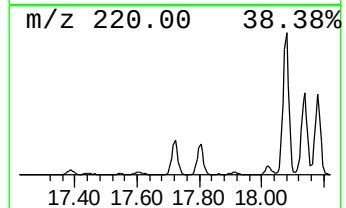
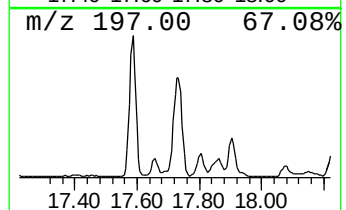
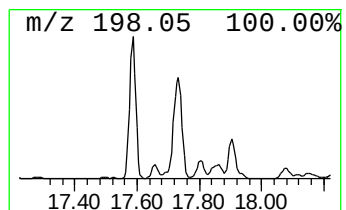
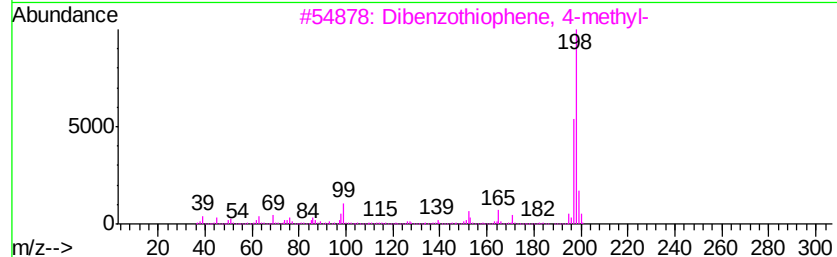
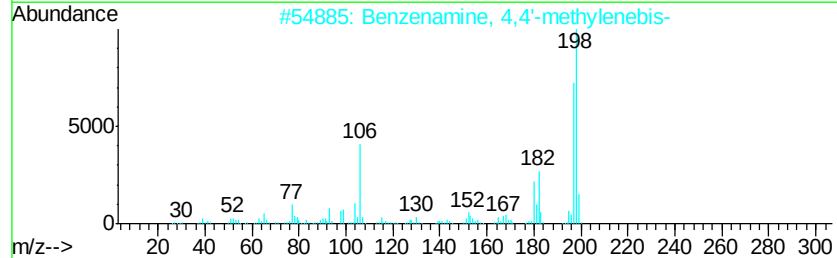
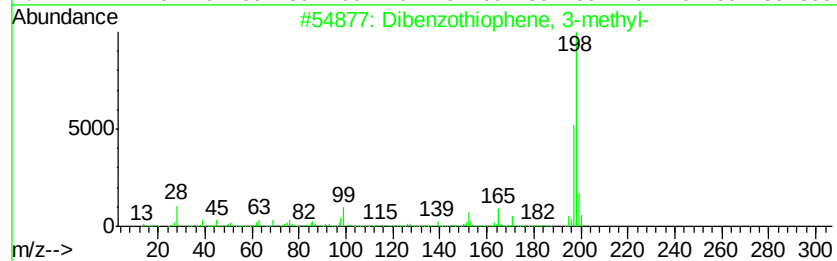
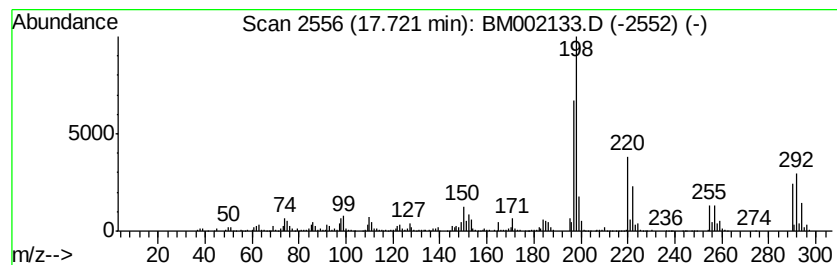
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	18.06 ng/ul	1269000	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	46
2		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	46
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
4		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	38
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
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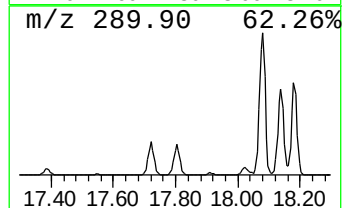
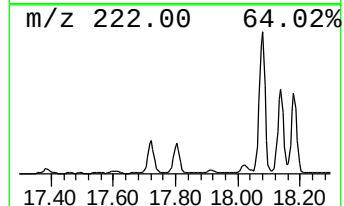
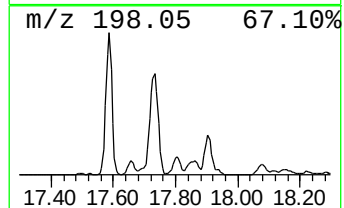
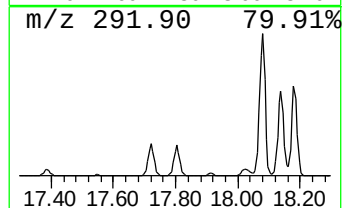
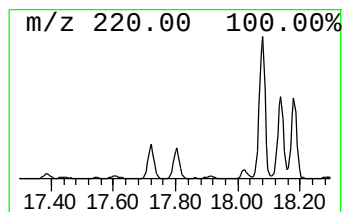
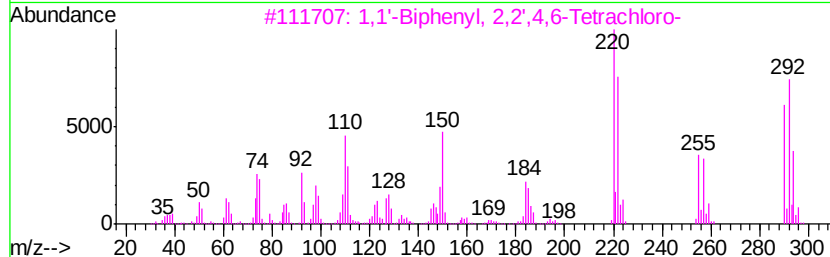
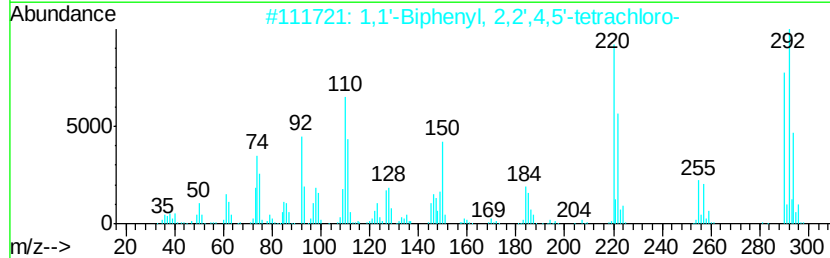
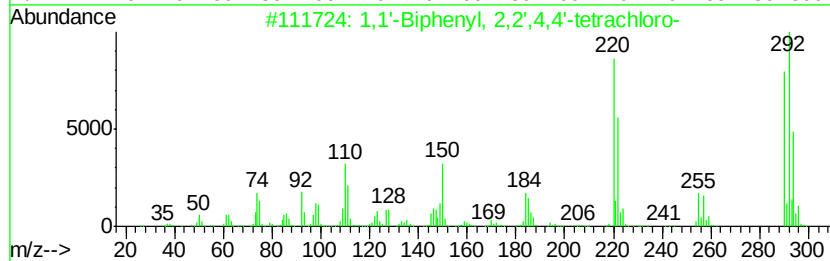
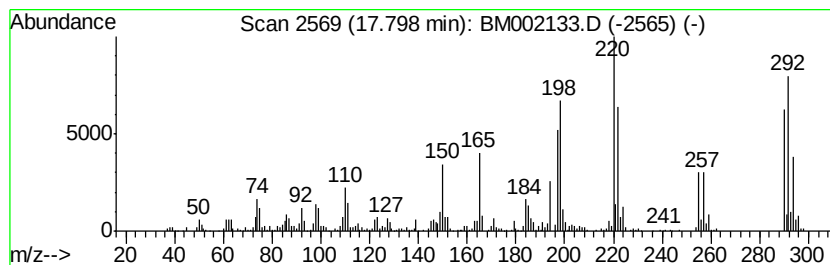
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.80	9.28 ng/ul	651789	Phenanthrene-d10	17.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl,	2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl,	2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	1,1'-Biphenyl,	2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl,	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
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Sample : G3030-15RE
Misc :
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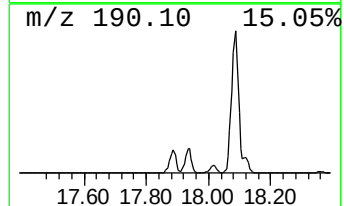
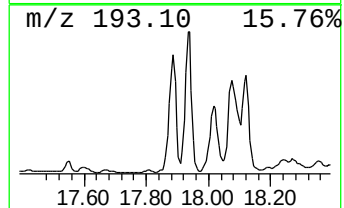
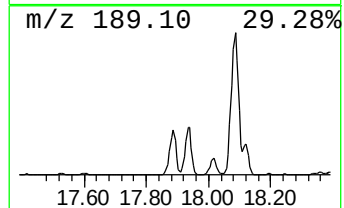
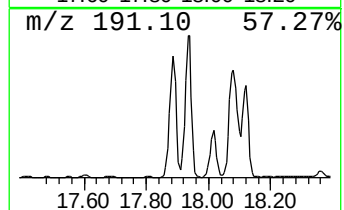
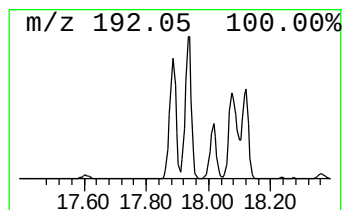
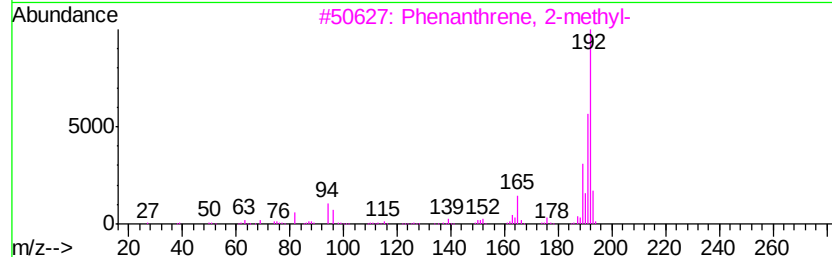
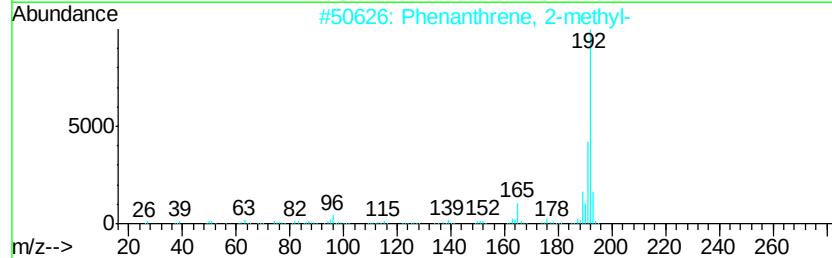
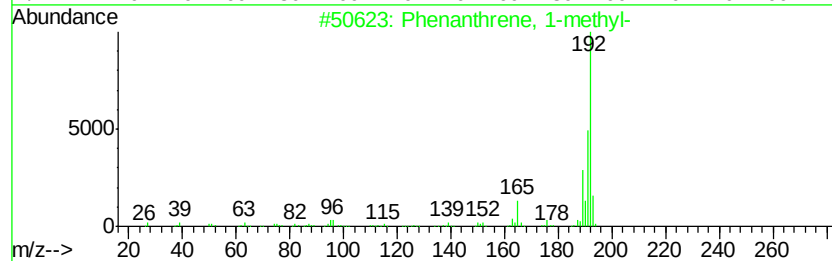
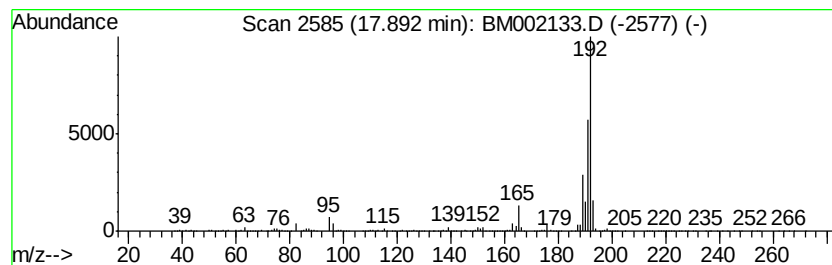
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.89	58.55 ng/ul	4112930	Phenanthrene-d10	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

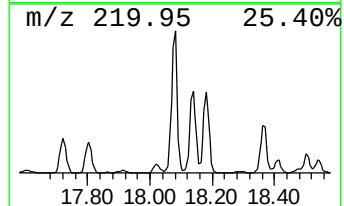
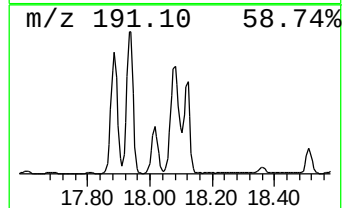
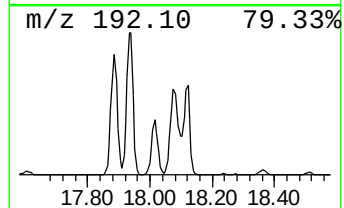
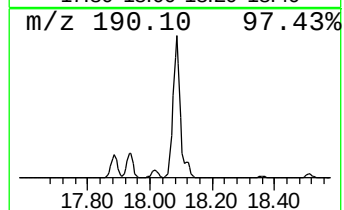
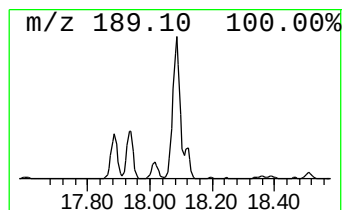
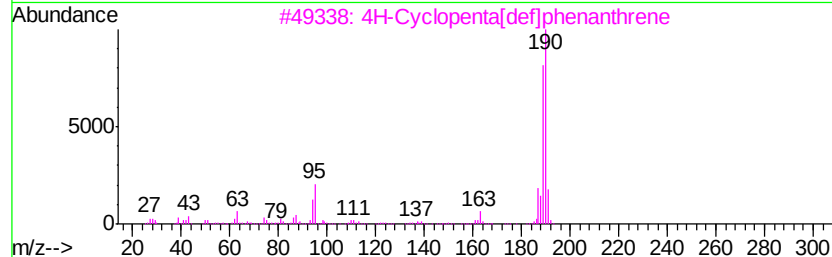
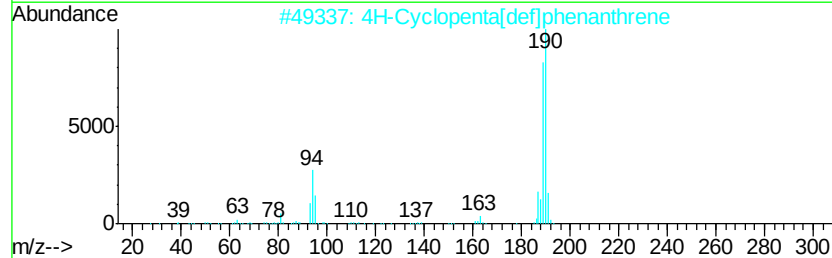
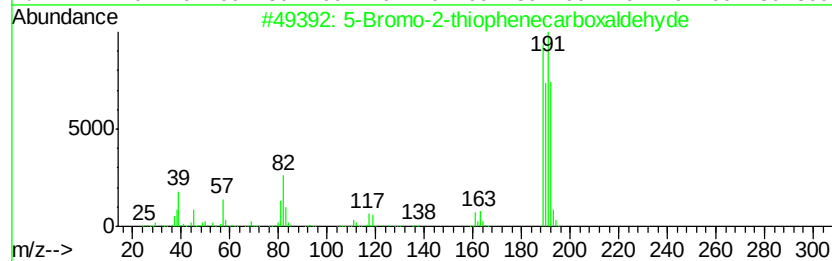
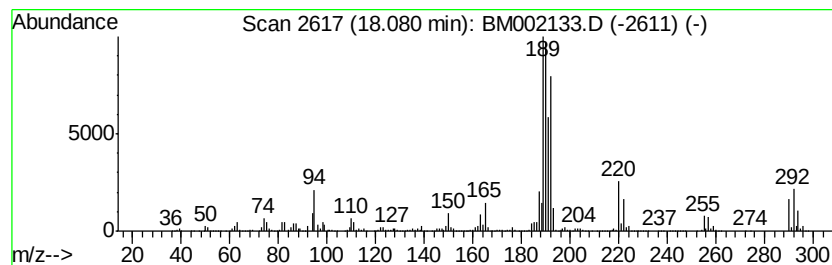
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 5-Bromo-2-thiophenecarboxal... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	121.22 ng/ul	8515650	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
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Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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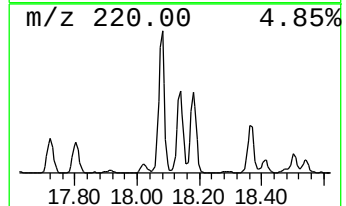
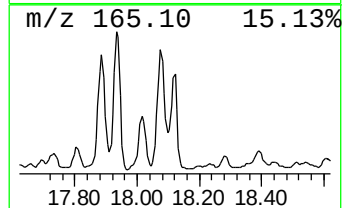
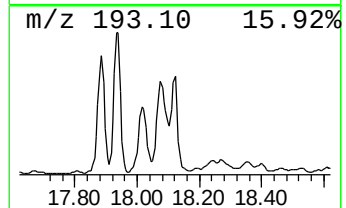
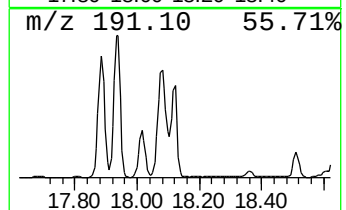
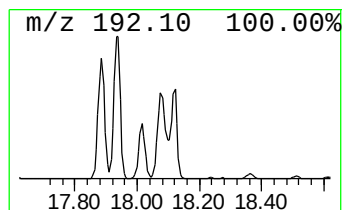
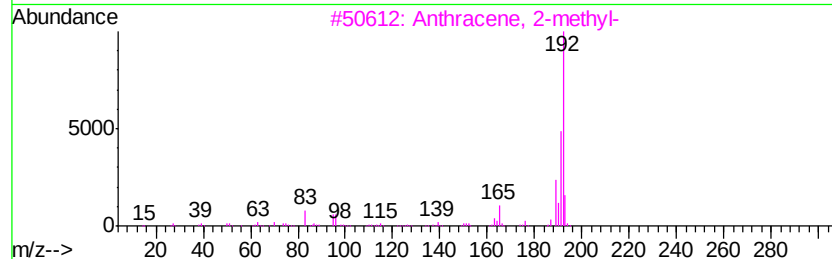
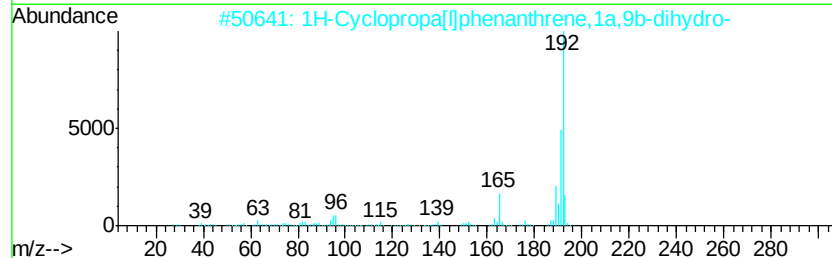
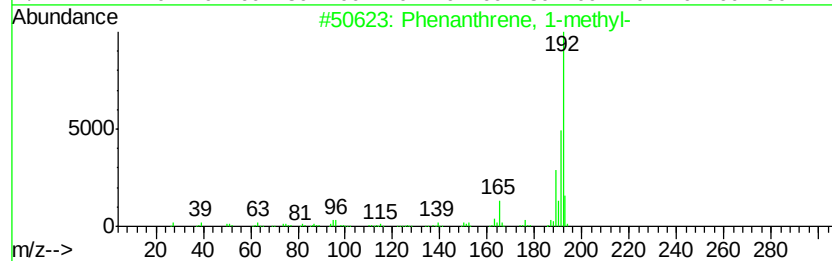
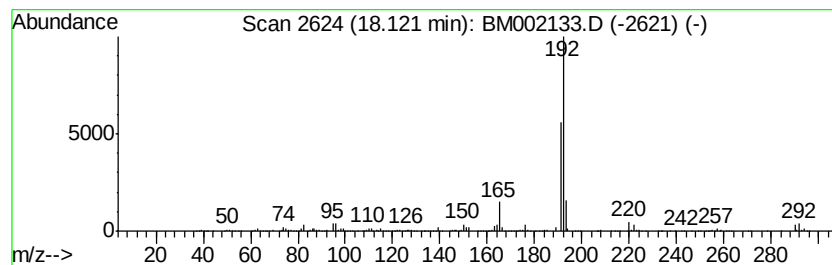
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	47.35 ng/ul	3326570	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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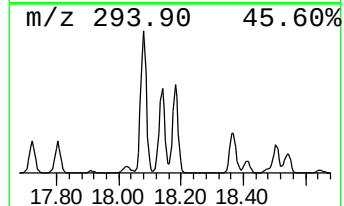
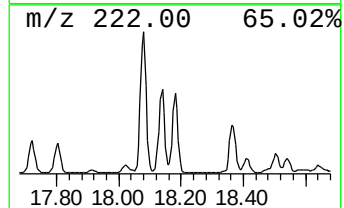
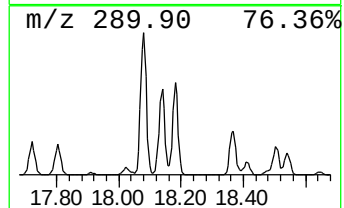
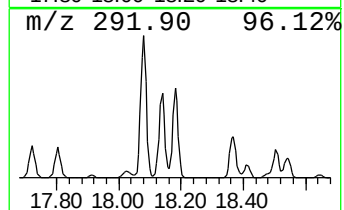
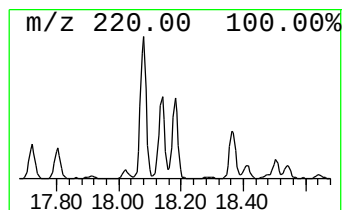
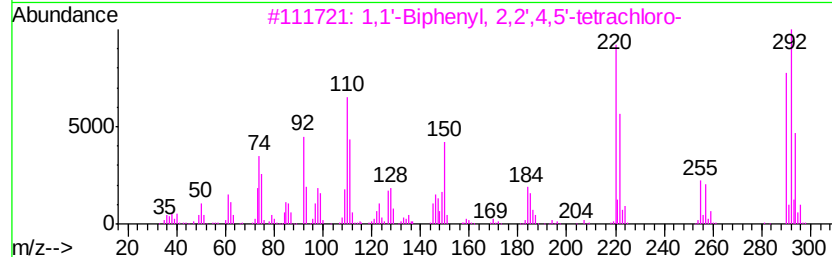
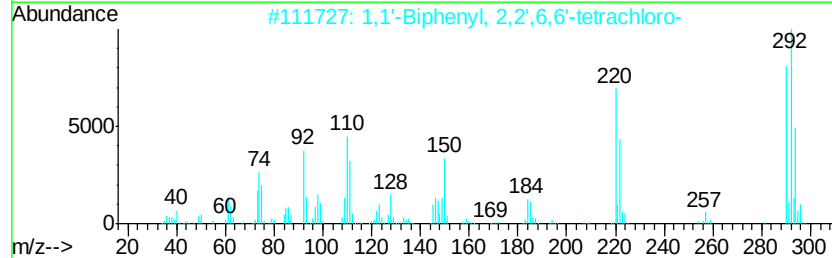
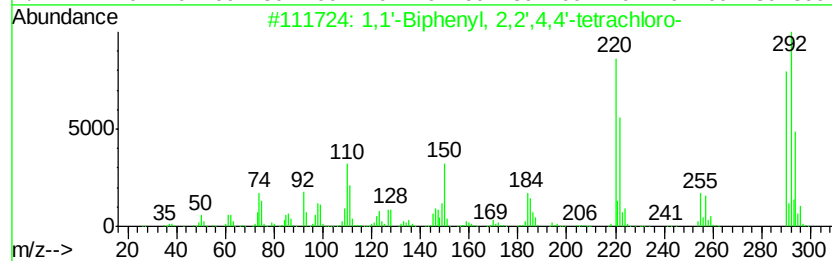
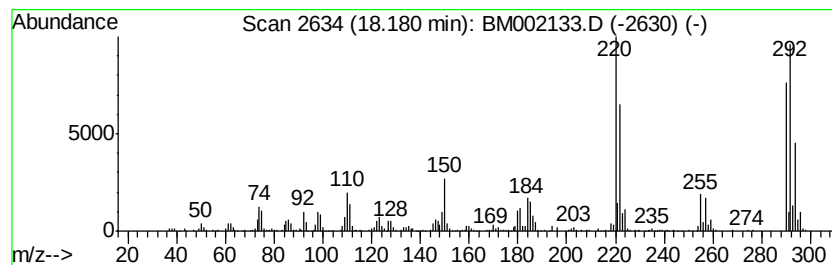
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	17.02 ng/ul	1195550	Phenanthrene-d10	17.01

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
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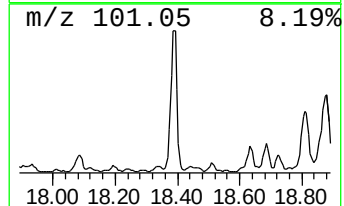
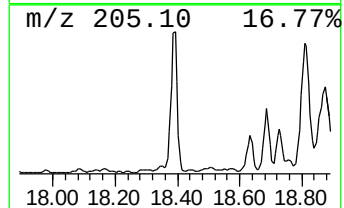
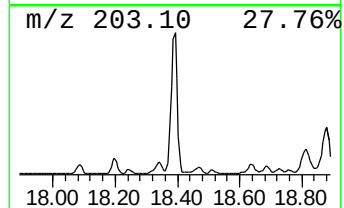
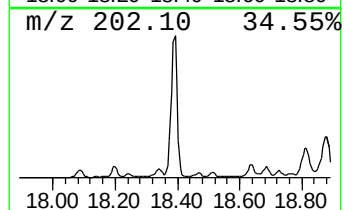
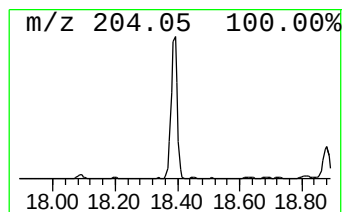
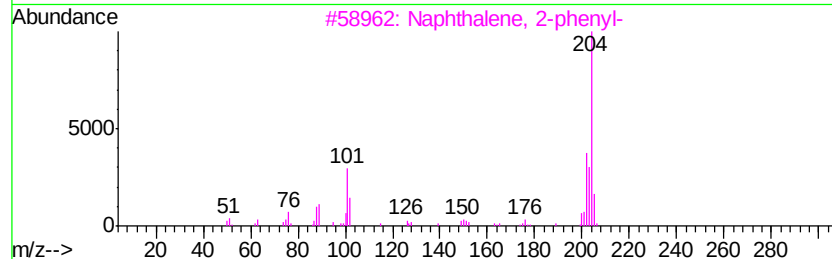
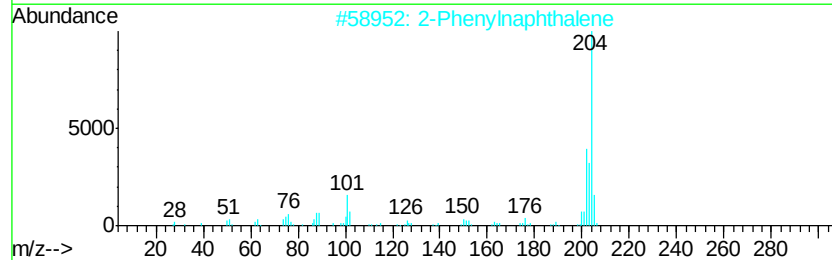
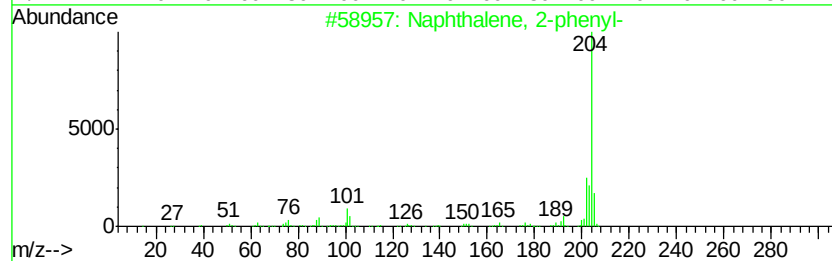
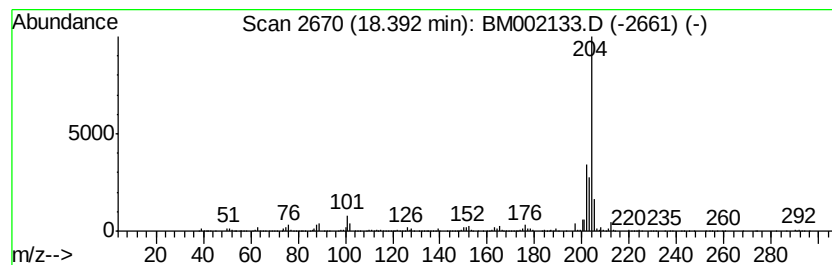
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	48.82 ng/ul	3429580	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	93
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
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Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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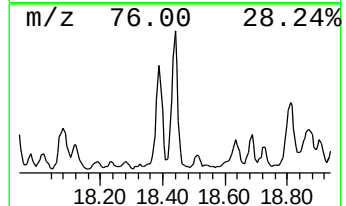
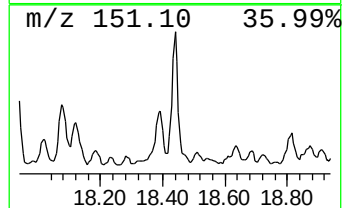
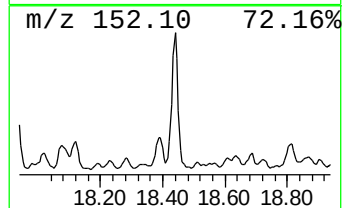
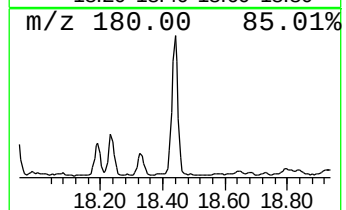
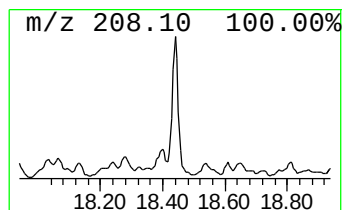
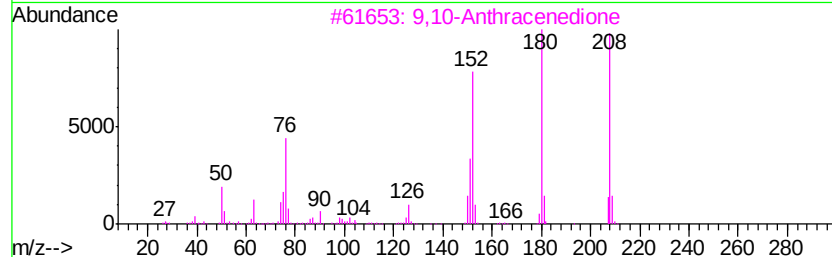
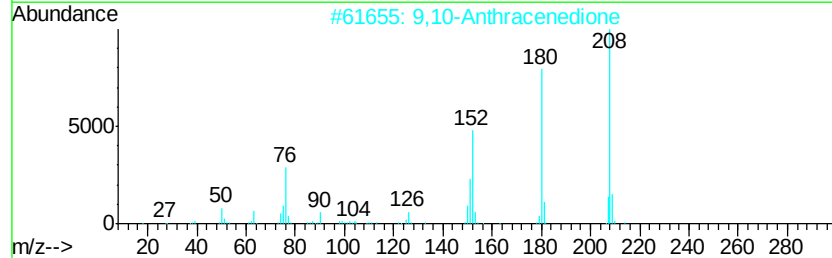
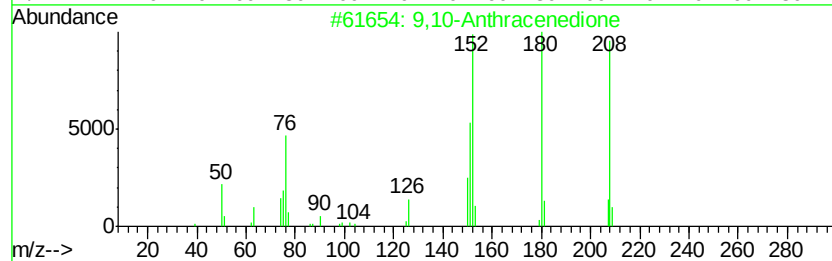
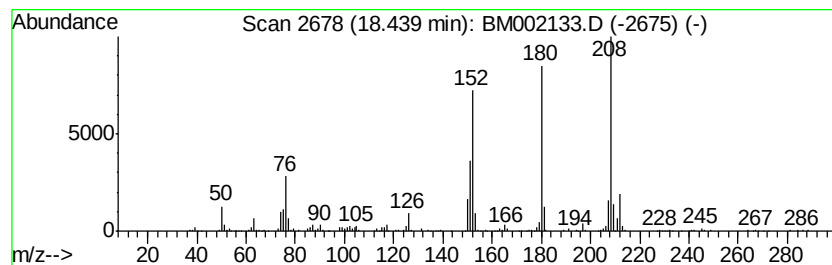
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	13.52 ng/ul	949825	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
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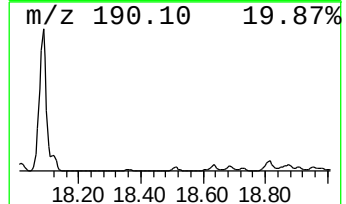
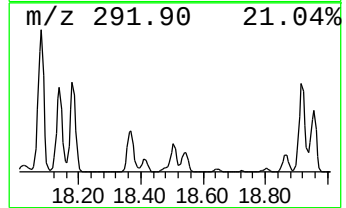
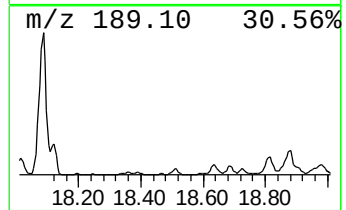
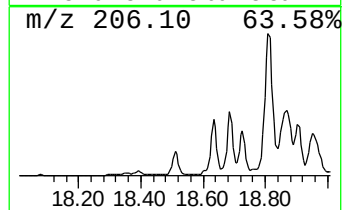
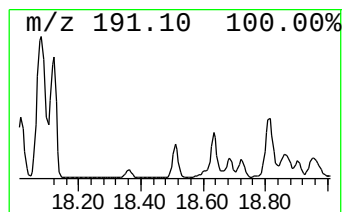
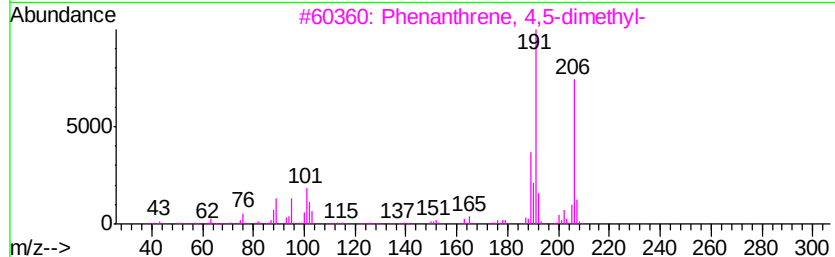
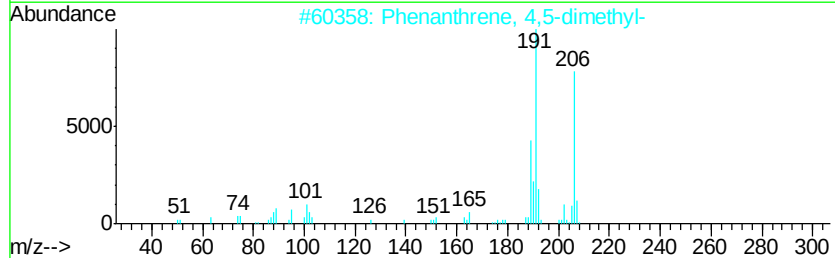
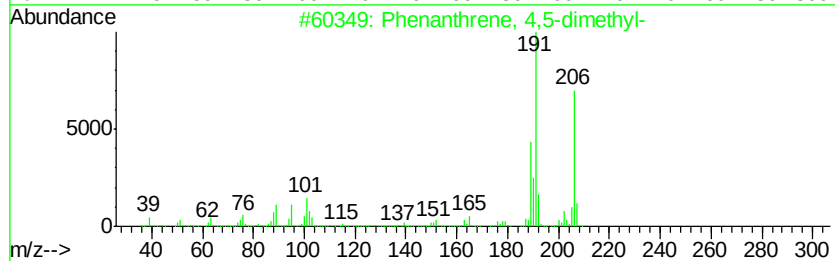
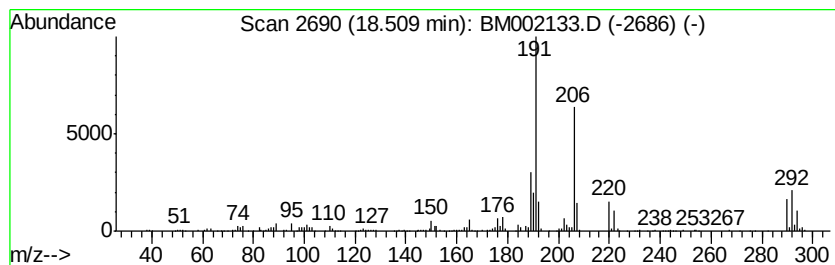
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	8.78 ng/ul	616878	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	62
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	62
4		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	58
5		Anthracene, 9-ethyl-	206	C16H14	000605-83-4	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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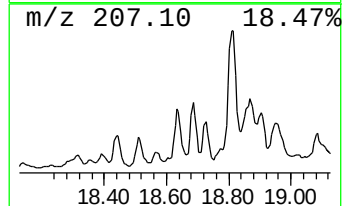
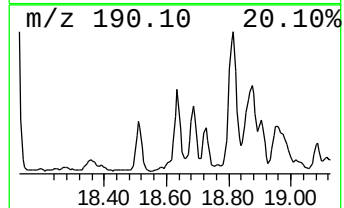
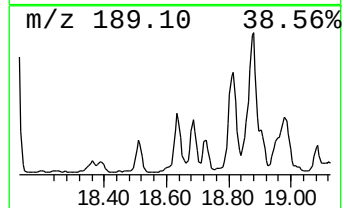
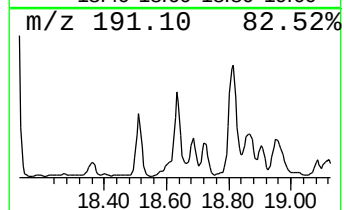
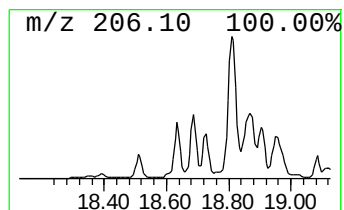
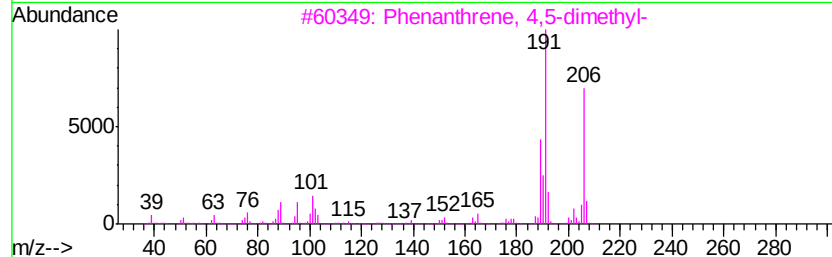
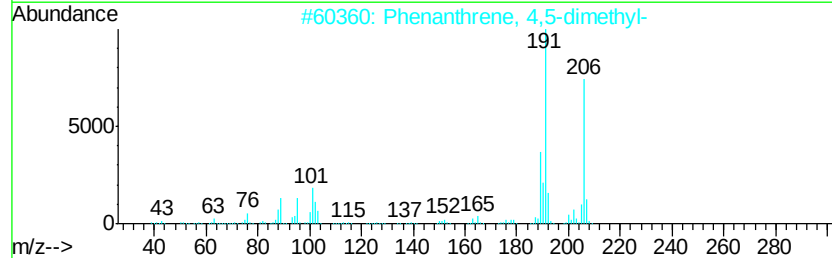
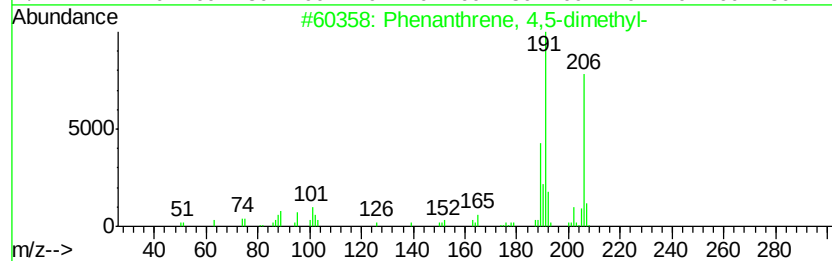
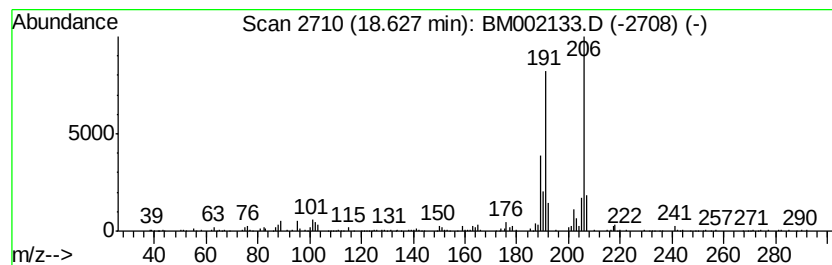
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	15.13 ng/ul	1062940	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

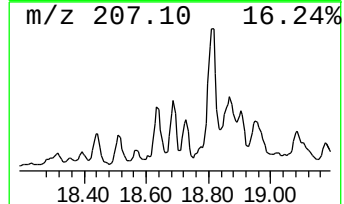
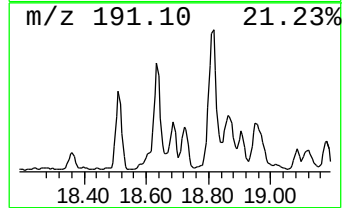
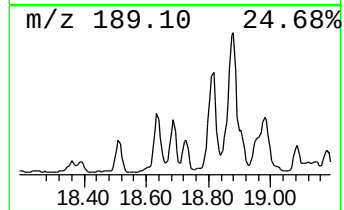
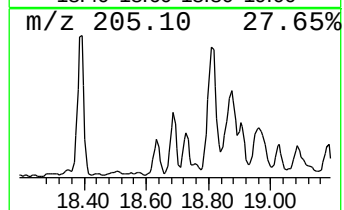
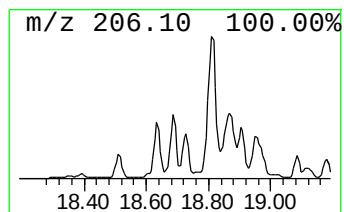
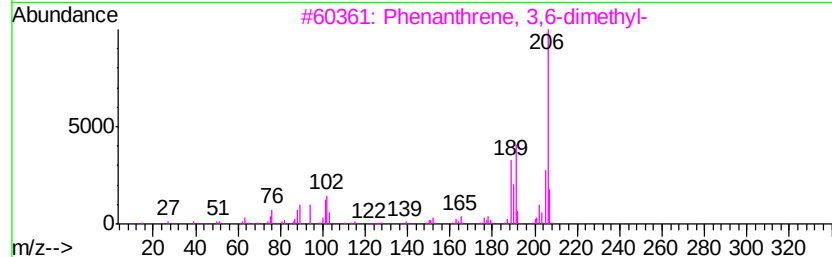
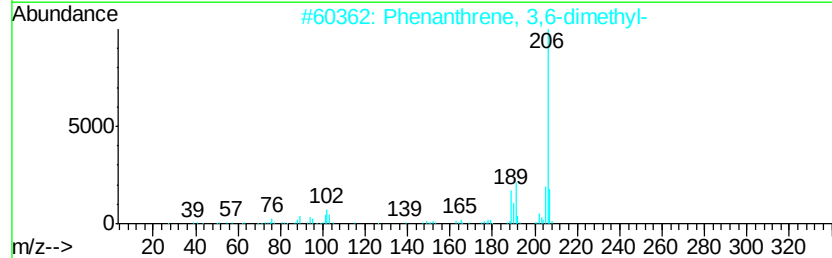
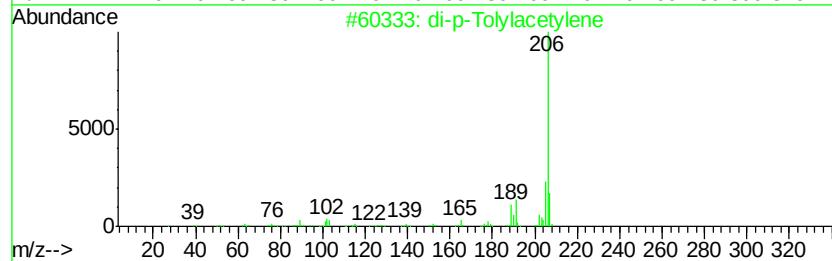
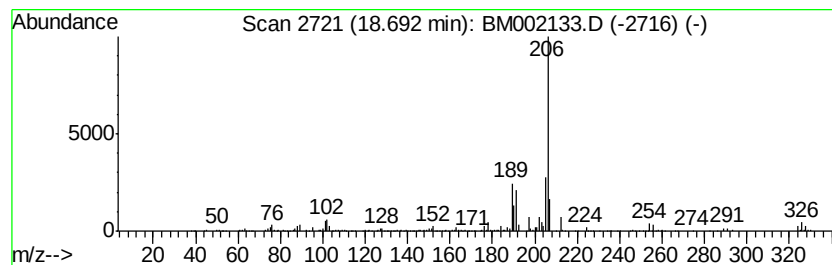
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 di-p-Tolylacetylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	12.04 ng/ul	845608	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

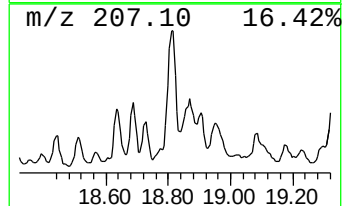
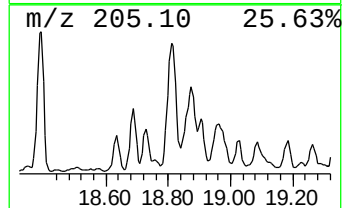
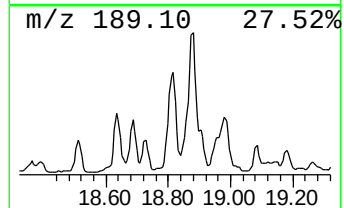
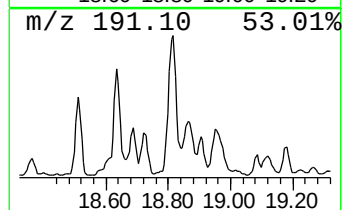
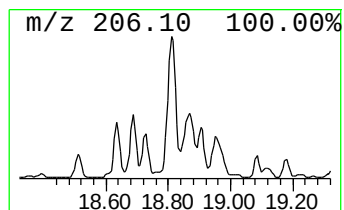
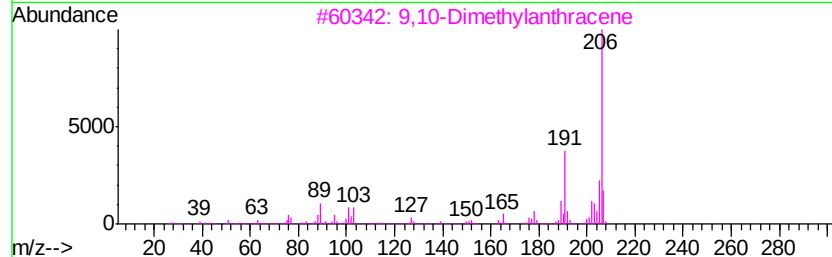
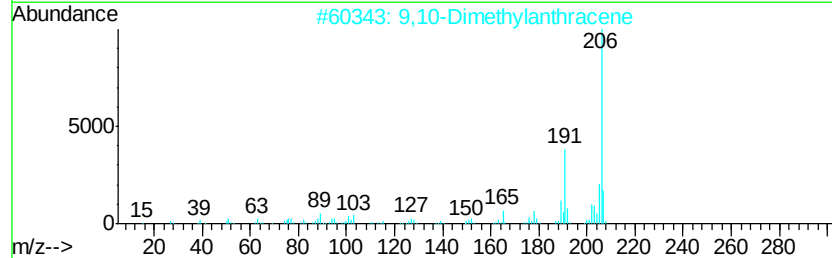
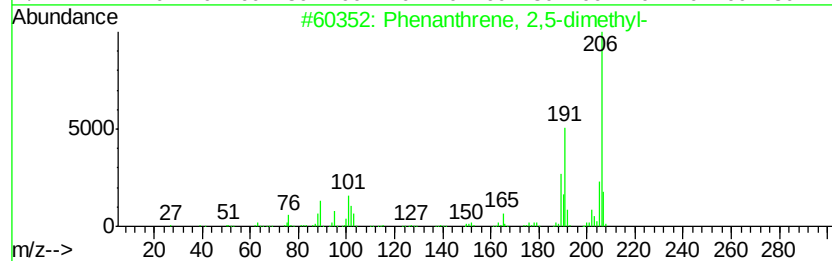
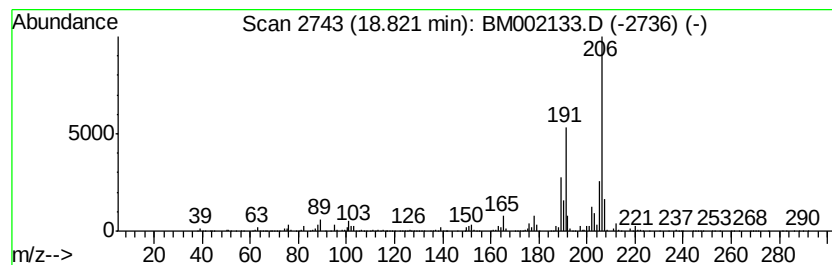
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	31.94 ng/ul	2243990	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

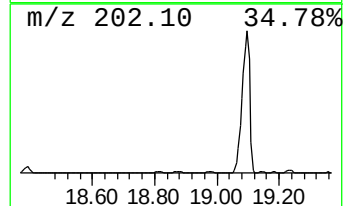
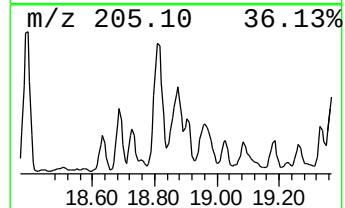
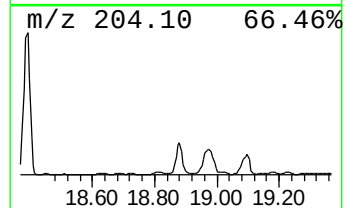
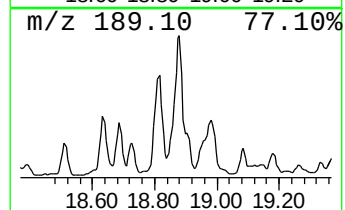
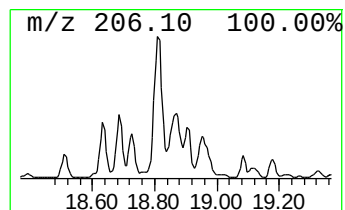
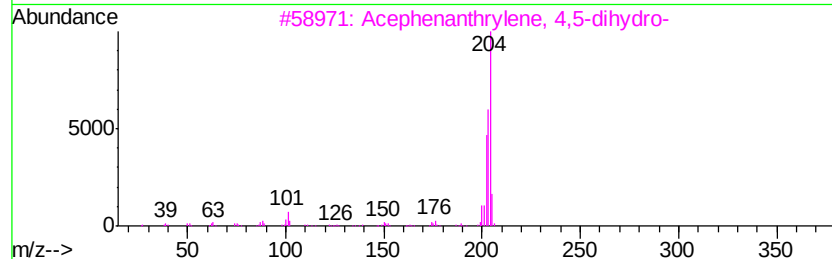
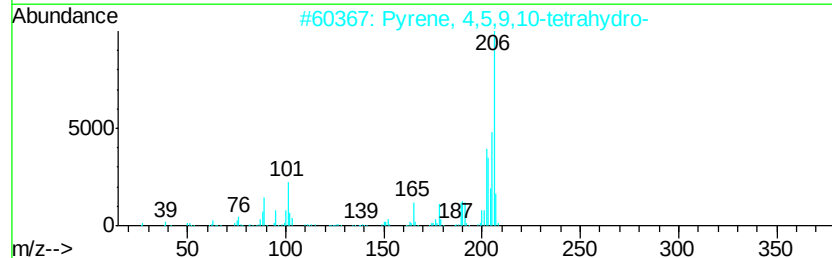
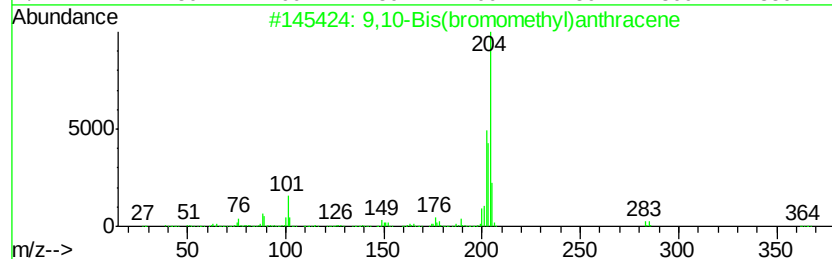
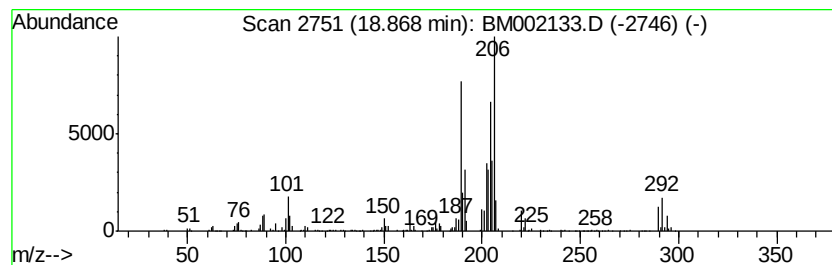
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	23.27 ng/ul	1634610	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45		
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42		
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38		
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38		
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38		



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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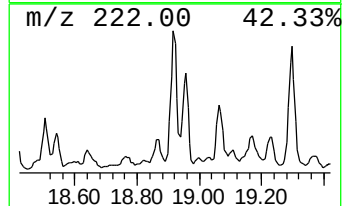
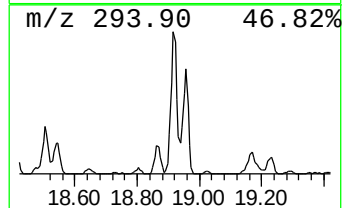
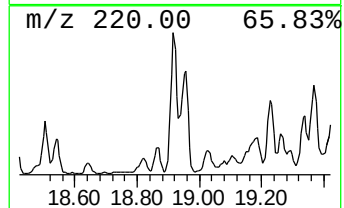
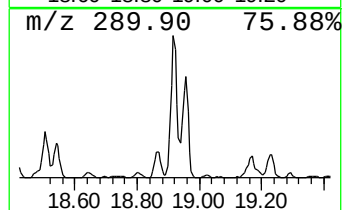
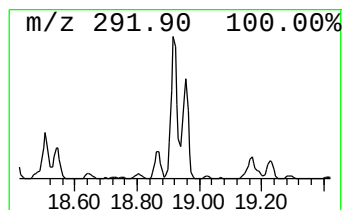
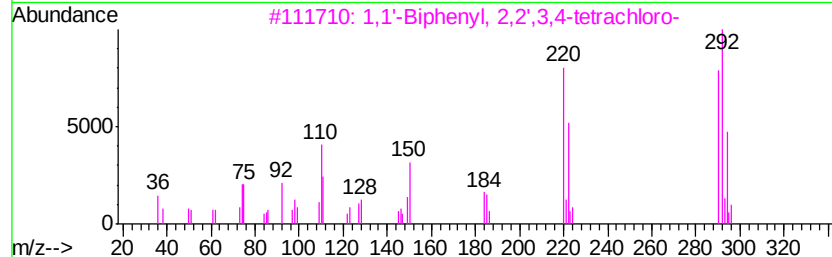
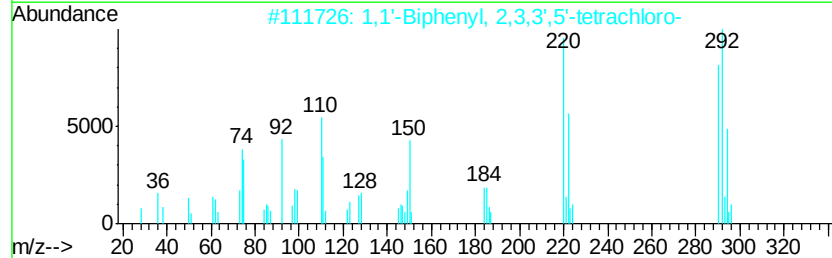
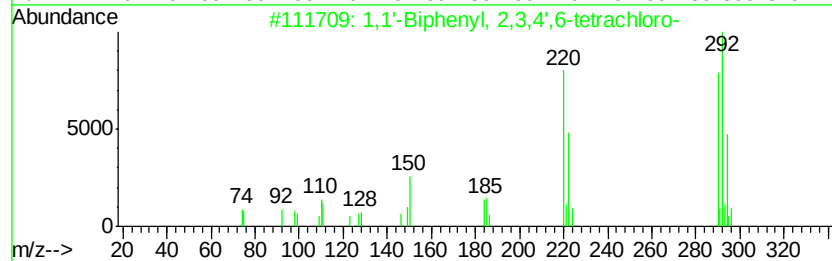
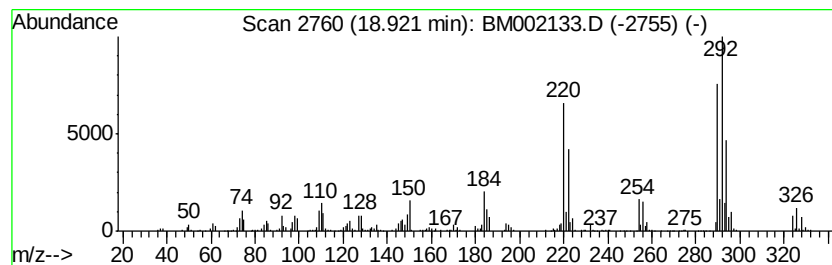
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	13.85 ng/ul	973076	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3		1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

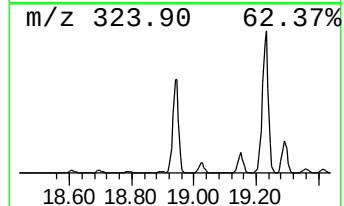
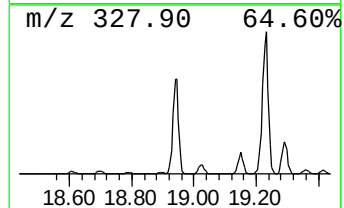
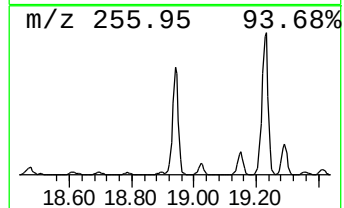
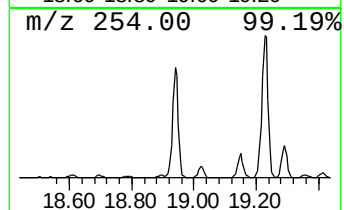
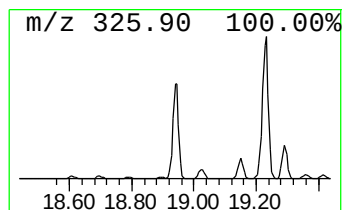
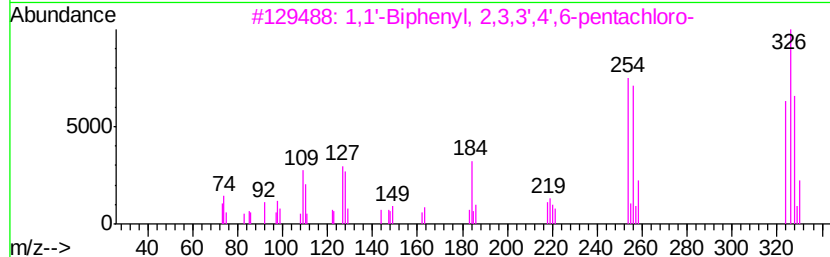
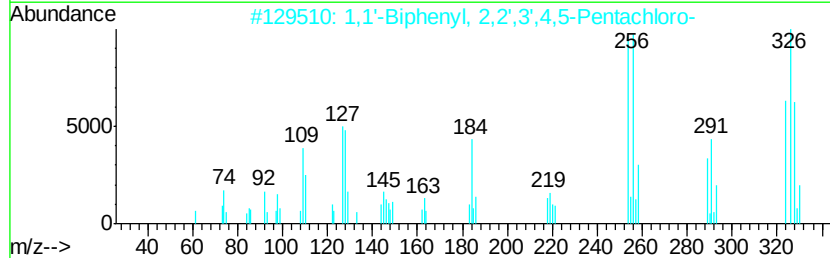
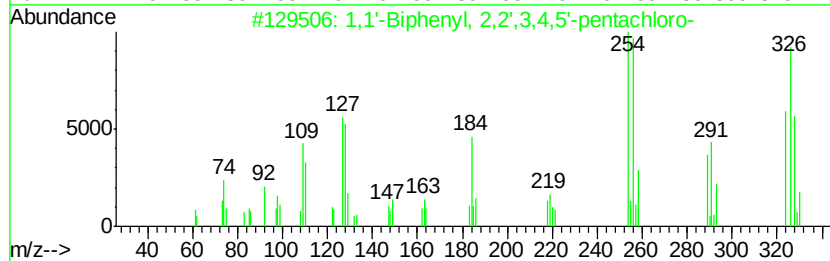
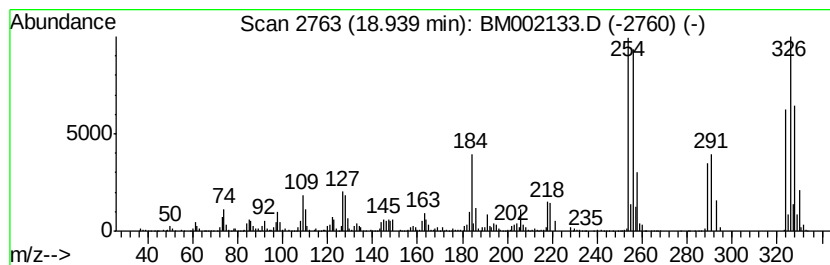
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	61.14 ng/ul	4295160	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
2		1,1'-Biphenyl, 2,2',3',4,5'-Penta...	324	C12H5Cl5	041464-51-1	99
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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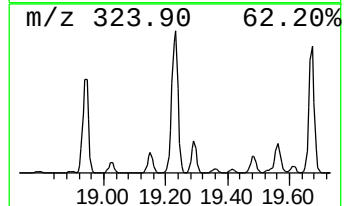
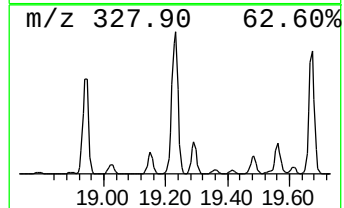
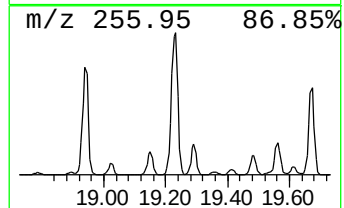
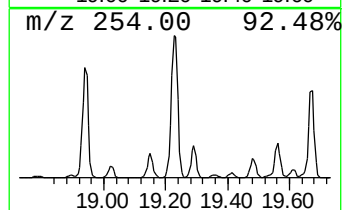
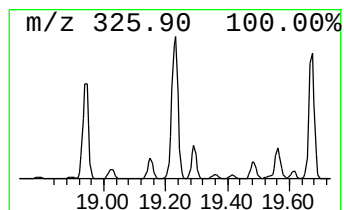
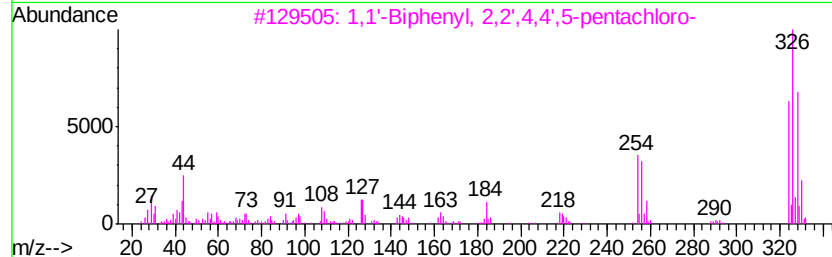
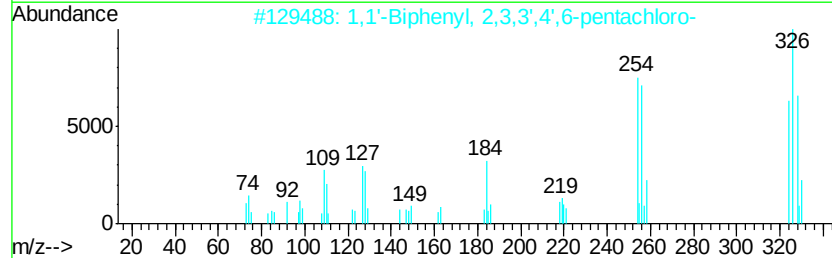
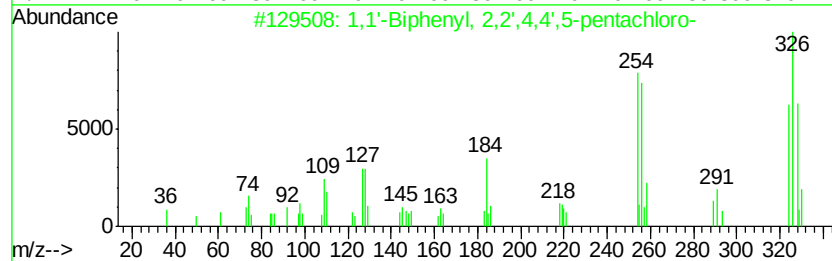
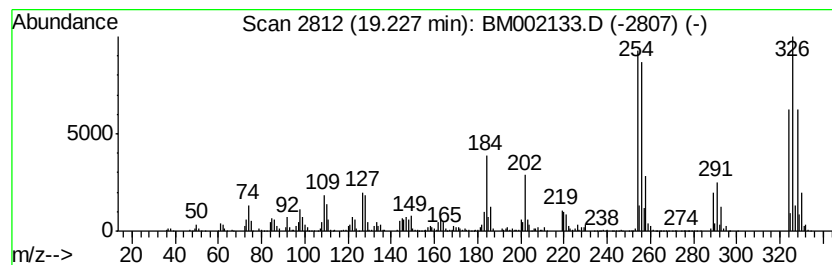
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	12.75 ng/ul	4270160	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
4		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
5		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

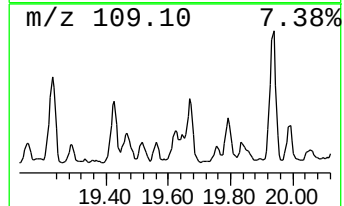
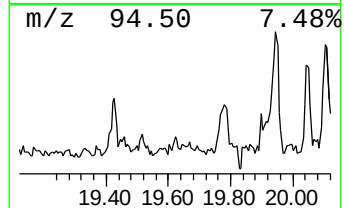
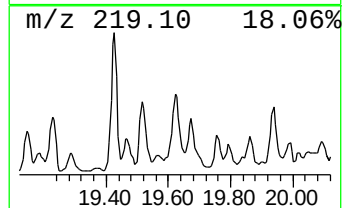
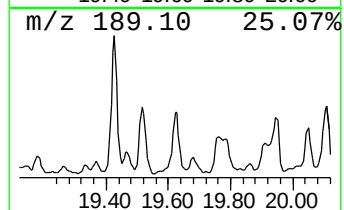
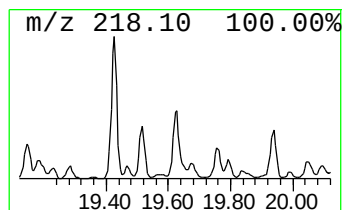
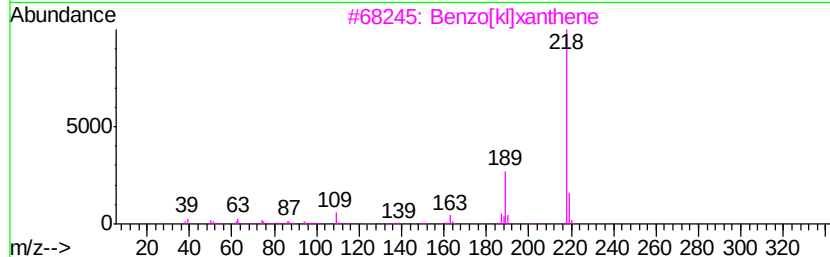
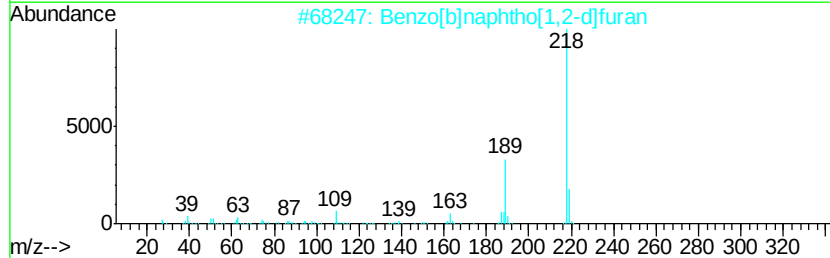
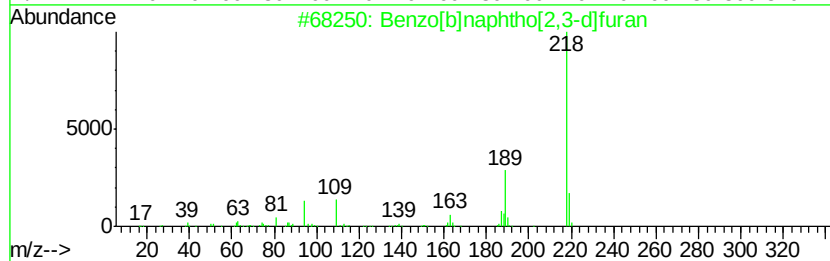
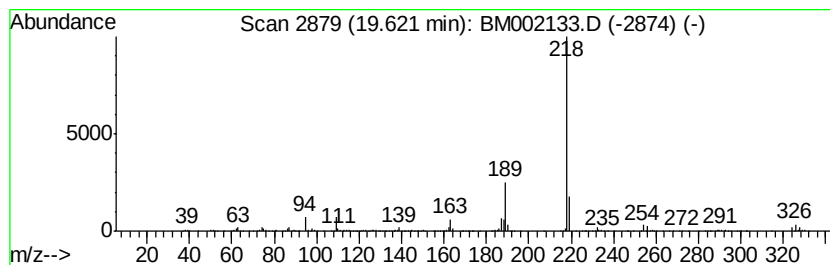
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Benzo[b]naphtho[2,3-d]furan Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.45 ng/ul	820165	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
2		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	93
3		Benzo[k]xanthene	218	C16H10O	000200-23-7	91
4		Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90
5		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0RE

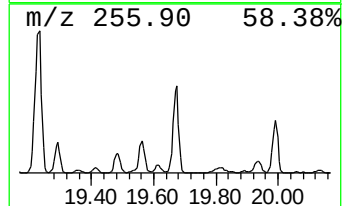
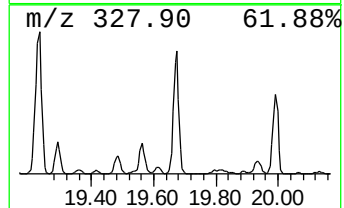
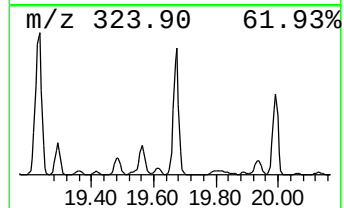
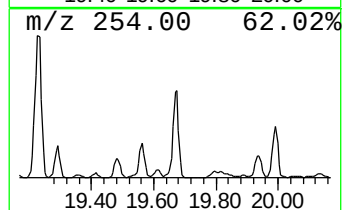
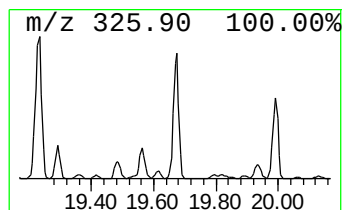
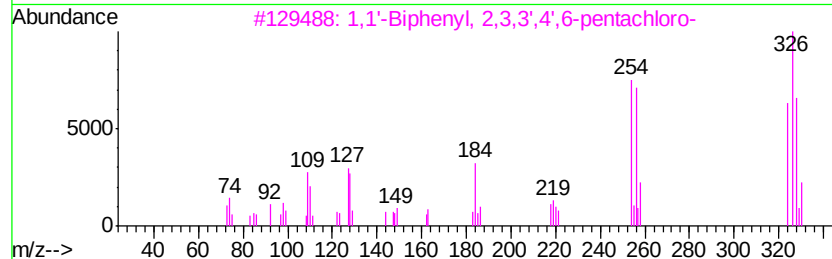
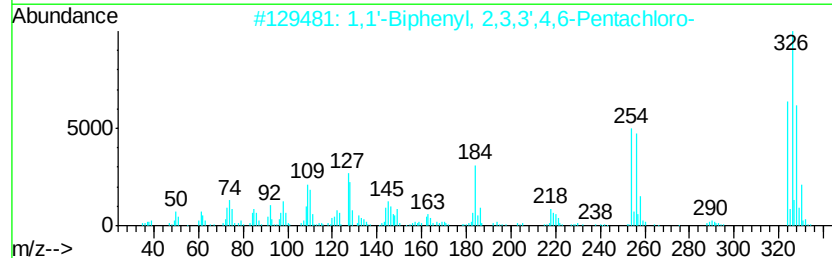
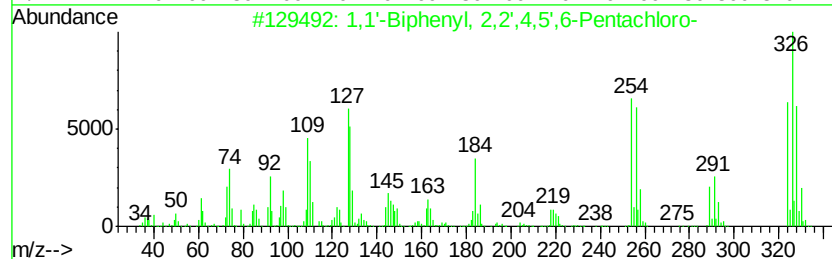
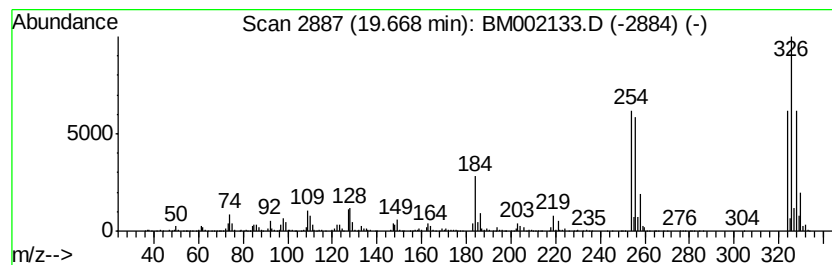
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,2',4,5',6-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	9.96 ng/ul	3336470	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95
2		1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
3		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
4		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94
5		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

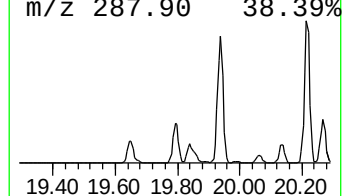
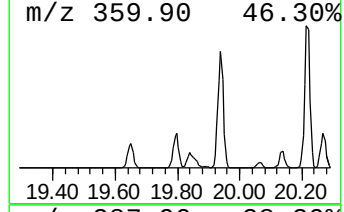
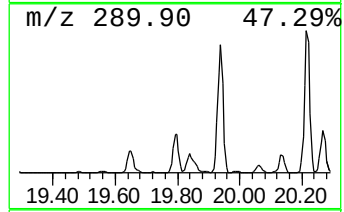
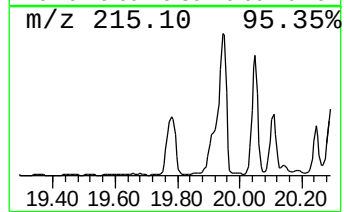
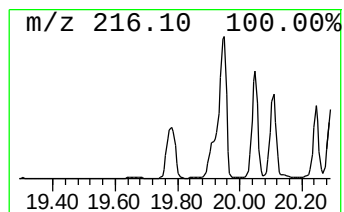
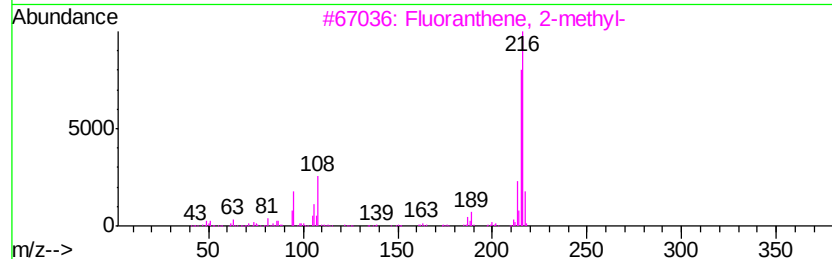
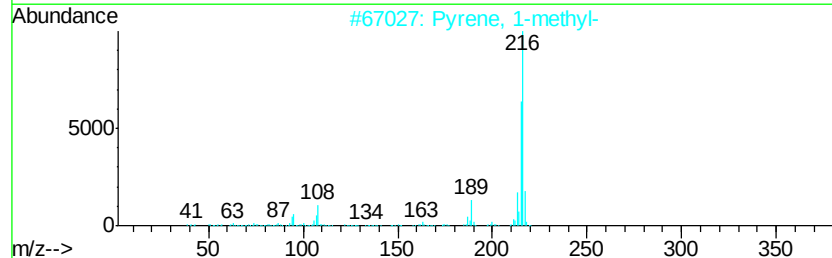
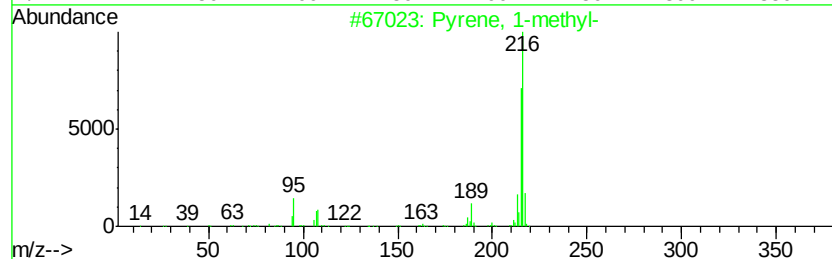
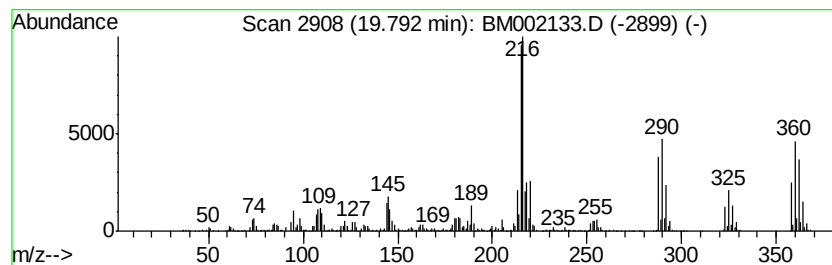
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	12.75 ng/ul	4270100	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7 81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7 64
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6 55
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7 50
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2 44



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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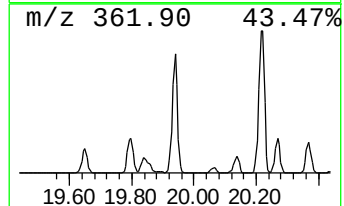
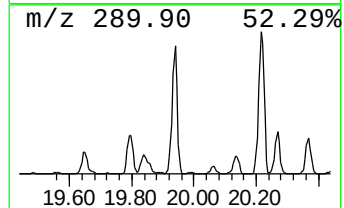
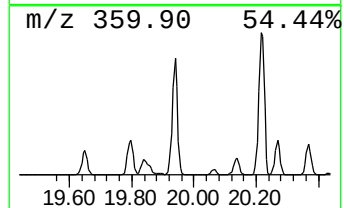
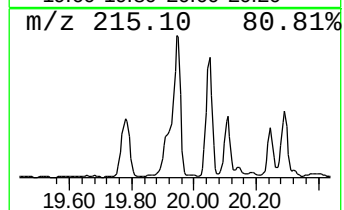
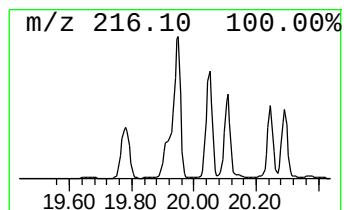
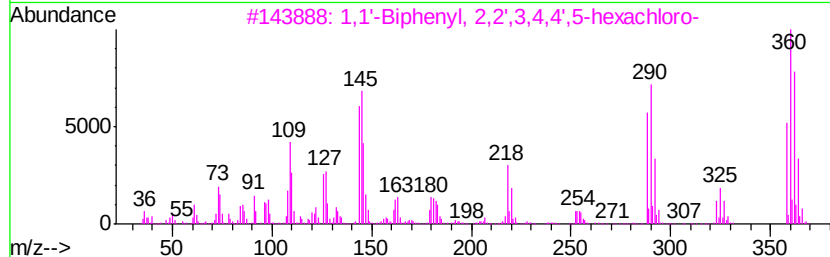
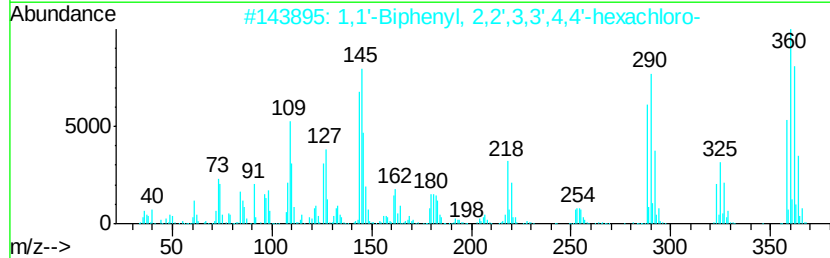
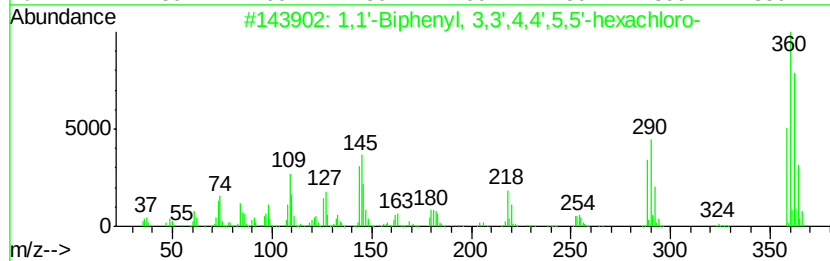
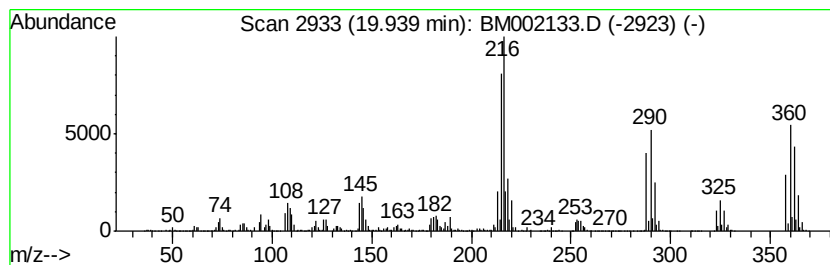
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	30.65 ng/ul	10264000	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	97
2		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	97
3		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	97
4		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	97
5		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	97



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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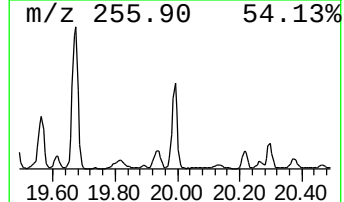
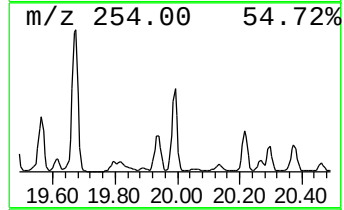
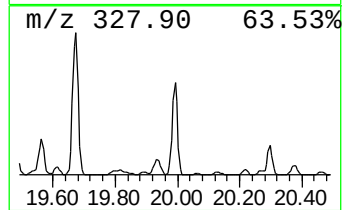
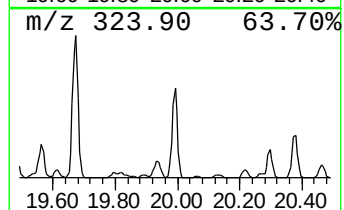
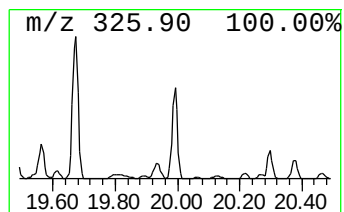
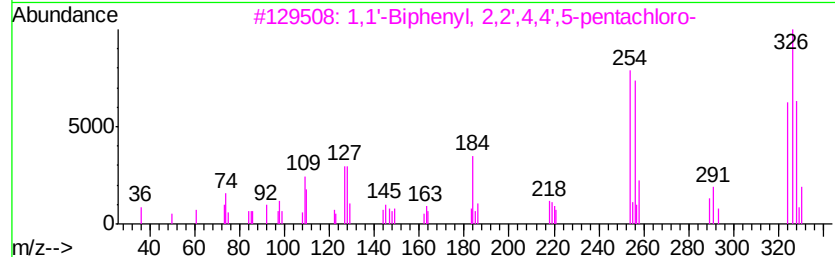
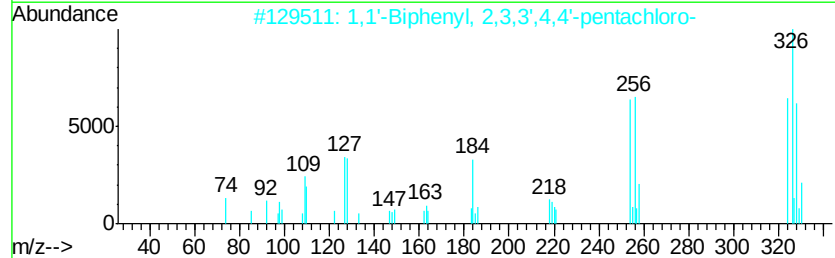
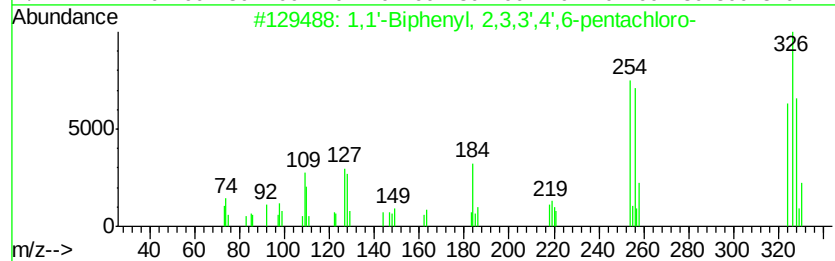
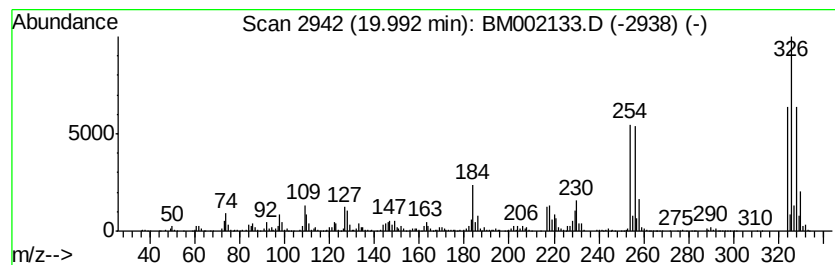
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.29 ng/ul	1435210	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
4		1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
5		1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002133.D
Acq On : 30 Jul 2015 13:00
Operator : TP/UM
Sample : G3030-15RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

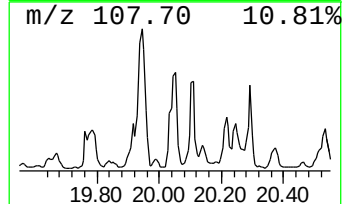
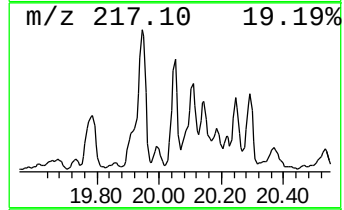
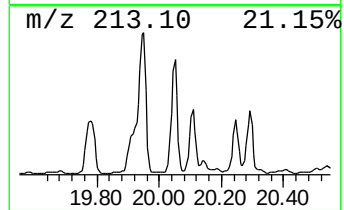
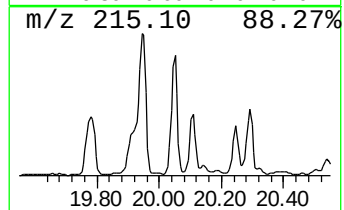
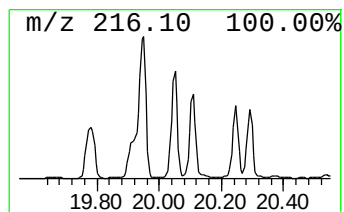
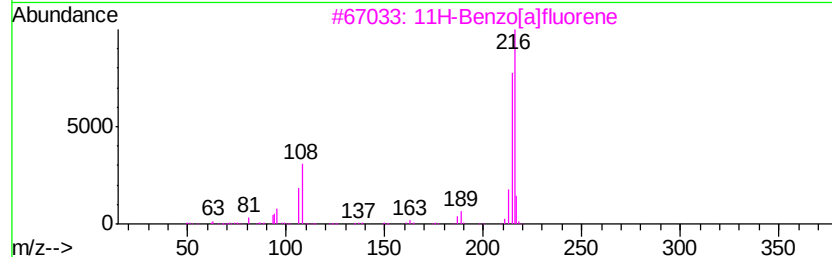
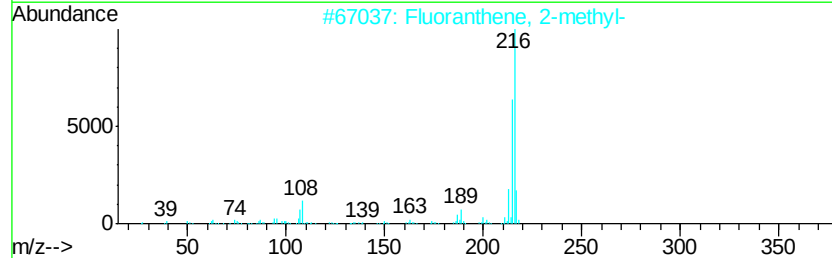
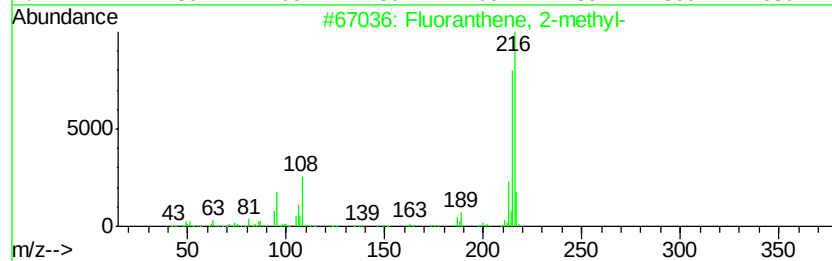
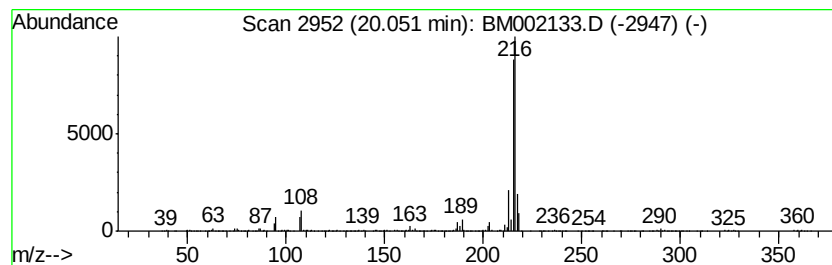
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 11H-Benzo[a]fluorene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	9.20 ng/ul	3081500	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
5		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002133.D
 Acq On : 30 Jul 2015 13:00
 Operator : TP/UM
 Sample : G3030-15RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
1,1'-Biphenyl, 2,...	15.52	10.1	ng/ul	863465	3	14.26	1714440	20.0
Dibenzofuran, 4-m...	15.60	7.7	ng/ul	663143	3	14.26	1714440	20.0
9H-Fluorene, 2-me...	16.31	13.6	ng/ul	952747	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	16.54	13.0	ng/ul	915231	4	17.01	1405030	20.0
4,4'-Dimethylbiph...	16.76	9.4	ng/ul	663901	4	17.01	1405030	20.0
Naphtho[2,3-b]thi...	16.83	21.8	ng/ul	1528360	4	17.01	1405030	20.0
Dibenzothiophene,...	17.59	23.0	ng/ul	1617620	4	17.01	1405030	20.0
unknown-01	17.72	18.1	ng/ul	1269000	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	17.80	9.3	ng/ul	651789	4	17.01	1405030	20.0
Phenanthrene, 1-m...	17.89	58.5	ng/ul	4112930	4	17.01	1405030	20.0
5-Bromo-2-thiophe...	18.08	121.2	ng/ul	8515650	4	17.01	1405030	20.0
1H-Cyclopropa[l]p...	18.12	47.4	ng/ul	3326570	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	18.18	17.0	ng/ul	1195550	4	17.01	1405030	20.0
Naphthalene, 2-ph...	18.39	48.8	ng/ul	3429580	4	17.01	1405030	20.0
9,10-Anthracenedione	18.44	13.5	ng/ul	949825	4	17.01	1405030	20.0
Phenanthrene, 4,5...	18.51	8.8	ng/ul	616878	4	17.01	1405030	20.0
Phenanthrene, 2,3...	18.63	15.1	ng/ul	1062940	4	17.01	1405030	20.0
di-p-Tolylacetylene	18.69	12.0	ng/ul	845608	4	17.01	1405030	20.0
Phenanthrene, 2,5...	18.82	31.9	ng/ul	2243990	4	17.01	1405030	20.0
unknown-02	18.87	23.3	ng/ul	1634610	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	18.92	13.9	ng/ul	973076	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	18.94	61.1	ng/ul	4295160	4	17.01	1405030	20.0
1,1'-Biphenyl, 2,...	19.23	12.8	ng/ul	4270160	5	21.23	6697470	20.0
1,1'-Biphenyl, 2,...	19.29	2.9	ng/ul	966507	5	21.23	6697470	20.0
Benzo[b]naphtho[2...	19.62	2.5	ng/ul	820165	5	21.23	6697470	20.0
1,1'-Biphenyl, 2,...	19.67	10.0	ng/ul	3336470	5	21.23	6697470	20.0
Pyrene, 1-methyl-	19.79	12.8	ng/ul	4270100	5	21.23	6697470	20.0
1,1'-Biphenyl, 3,...	19.94	30.6	ng/ul	10264000	5	21.23	6697470	20.0
1,1'-Biphenyl, 2,...	19.99	4.3	ng/ul	1435210	5	21.23	6697470	20.0
11H-Benzo[a]fluorene	20.05	9.2	ng/ul	3081500	5	21.23	6697470	20.0