

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002220.D
 Acq On : 04 Aug 2015 21:29
 Operator : TP/UM
 Sample : G3073-22RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6RE

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-BM080415.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.310	101	106	112	rVB	13373	15288	0.86%	0.075%
2	3.493	133	137	141	rBV	9797	10871	0.61%	0.054%
3	4.957	383	386	393	rBB	5220	6775	0.38%	0.033%
4	6.716	680	685	694	rVB	73128	118813	6.68%	0.586%
5	6.863	704	710	716	rBV	57417	84851	4.77%	0.419%
6	7.057	737	743	751	rBB	79594	122545	6.89%	0.605%
7	7.522	815	822	829	rVB	212123	331536	18.65%	1.636%
8	8.057	908	913	919	rBV2	4262	7891	0.44%	0.039%
9	8.245	940	945	954	rBV	77670	127746	7.19%	0.630%
10	8.351	959	963	968	rVB	5464	8497	0.48%	0.042%
11	8.681	1014	1019	1025	rBV	67568	107577	6.05%	0.531%
12	9.404	1137	1142	1148	rBB	59556	93954	5.29%	0.464%
13	9.945	1229	1234	1242	rBB	85459	138419	7.79%	0.683%
14	10.310	1288	1296	1301	rBV	294530	485770	27.33%	2.397%
15	10.357	1301	1304	1310	rVB2	8564	12372	0.70%	0.061%
16	10.463	1317	1322	1329	rBV2	30167	50682	2.85%	0.250%
17	11.986	1577	1581	1586	rBB	8229	11728	0.66%	0.058%
18	13.516	1836	1841	1844	rBB2	4880	7340	0.41%	0.036%
19	13.610	1852	1857	1861	rVV	149736	202175	11.37%	0.998%
20	13.657	1861	1865	1871	rVB	76254	104293	5.87%	0.515%
21	13.886	1896	1904	1916	rBB	170084	268769	15.12%	1.326%
22	14.092	1936	1939	1942	rVB2	6107	7840	0.44%	0.039%
23	14.198	1950	1957	1963	rBV2	416610	630195	35.45%	3.110%
24	14.257	1963	1967	1975	rVB2	13088	19881	1.12%	0.098%
25	14.451	1995	2000	2005	rVV	29578	44784	2.52%	0.221%
26	14.592	2020	2024	2029	rBV3	11024	18299	1.03%	0.090%
27	14.816	2058	2062	2067	rVV2	5223	7948	0.45%	0.039%
28	14.874	2067	2072	2080	rVB3	6886	13195	0.74%	0.065%
29	14.992	2083	2092	2096	rBV2	6269	15193	0.85%	0.075%
30	15.051	2098	2102	2106	rVV3	11320	16132	0.91%	0.080%
31	15.198	2121	2127	2132	rBV	213105	306397	17.24%	1.512%
32	15.251	2132	2136	2141	rVV2	11088	15403	0.87%	0.076%
33	15.351	2148	2153	2160	rBV2	30193	44577	2.51%	0.220%
34	15.457	2166	2171	2176	rBV7	8934	14760	0.83%	0.073%

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35	15.545	2182	2186	2189	rBV3	5001	8796	0.49%	0.043%
36	15.586	2189	2193	2199	rVB	72054	92026	5.18%	0.454%
37	15.927	2243	2251	2258	rBV6	22617	55645	3.13%	0.275%
38	16.033	2265	2269	2273	rBV7	3710	6880	0.39%	0.034%
39	16.115	2280	2283	2287	rVB4	7120	10991	0.62%	0.054%
40	16.233	2298	2303	2309	rBV5	15749	35748	2.01%	0.176%
41	16.310	2313	2316	2319	rBV4	5922	7262	0.41%	0.036%
42	16.357	2322	2324	2330	rVB7	7567	12431	0.70%	0.061%
43	16.410	2330	2333	2337	rBV4	5617	9546	0.54%	0.047%
44	16.463	2338	2342	2348	rBV5	23531	40106	2.26%	0.198%
45	16.610	2363	2367	2373	rBV2	13452	18438	1.04%	0.091%
46	16.710	2378	2384	2389	rVV2	57823	85580	4.81%	0.422%
47	16.768	2389	2394	2399	rVV3	19800	38721	2.18%	0.191%
48	16.821	2399	2403	2407	rVV2	28326	38956	2.19%	0.192%
49	16.862	2407	2410	2413	rVB6	7680	10308	0.58%	0.051%
50	16.910	2413	2418	2419	rBV4	9975	15393	0.87%	0.076%
51	16.951	2419	2425	2429	rVV	549821	765114	43.05%	3.776%
52	16.992	2429	2432	2437	rVV	238421	314625	17.70%	1.553%
53	17.051	2437	2442	2445	rVV	236840	340784	19.17%	1.682%
54	17.086	2445	2448	2452	rVV	72249	95954	5.40%	0.474%
55	17.127	2452	2455	2463	rVB3	37342	58879	3.31%	0.291%
56	17.221	2468	2471	2472	rBV3	8462	9503	0.53%	0.047%
57	17.362	2491	2495	2499	rVB	38365	45201	2.54%	0.223%
58	17.404	2499	2502	2505	rVB5	9339	11811	0.66%	0.058%
59	17.445	2505	2509	2512	rBV4	16615	21495	1.21%	0.106%
60	17.551	2520	2527	2533	rVB3	88092	181792	10.23%	0.897%
61	17.662	2543	2546	2554	rBV7	21656	37360	2.10%	0.184%
62	17.798	2566	2569	2571	rBV2	26566	35650	2.01%	0.176%
63	17.827	2572	2574	2575	rBV	15175	11916	0.67%	0.059%
64	17.851	2575	2578	2581	rBV	82985	103522	5.82%	0.511%
65	17.921	2587	2590	2593	rVB	32844	35336	1.99%	0.174%
66	17.957	2593	2596	2600	rVB	32967	42169	2.37%	0.208%
67	18.021	2602	2607	2611	rBV3	246279	345434	19.43%	1.705%
68	18.080	2611	2617	2621	rVB2	70456	121929	6.86%	0.602%
69	18.127	2621	2625	2630	rBV3	35657	64700	3.64%	0.319%
70	18.309	2651	2656	2658	rBV	104202	139851	7.87%	0.690%
71	18.445	2677	2679	2683	rBV4	19260	23852	1.34%	0.118%

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72	18.486	2683	2686	2691	rVB	52431	61544	3.46%	0.304%
73	18.856	2745	2749	2750	rBV2	94355	123961	6.97%	0.612%
74	18.874	2750	2752	2761	rVB3	193459	325769	18.33%	1.608%
75	19.021	2772	2777	2782	rBV	827818	1118174	62.91%	5.518%
76	19.162	2796	2801	2808	rVB2	328816	461015	25.94%	2.275%
77	19.227	2808	2812	2815	rBV3	103929	152876	8.60%	0.754%
78	19.356	2830	2834	2837	rBV2	381117	606887	34.14%	2.995%
79	19.392	2837	2840	2843	rVB	606573	735784	41.40%	3.631%
80	19.503	2856	2859	2863	rVB	108176	127260	7.16%	0.628%
81	19.615	2874	2878	2885	rVB2	260567	354345	19.94%	1.749%
82	19.874	2919	2922	2928	rVB2	234569	347541	19.55%	1.715%
83	19.933	2928	2932	2937	rVB	181710	210567	11.85%	1.039%
84	20.156	2966	2970	2973	rBV	231820	269689	15.17%	1.331%
85	20.327	2991	2999	3006	rVB4	127771	369151	20.77%	1.822%
86	20.474	3021	3024	3034	rVB2	220674	334510	18.82%	1.651%
87	21.068	3122	3125	3131	rVB	383295	399563	22.48%	1.972%
88	21.156	3134	3140	3145	rVV2	858145	1777455	100.00%	8.772%
89	21.198	3145	3147	3155	rVB	450079	480875	27.05%	2.373%
90	21.303	3162	3165	3170	rBV3	153989	183824	10.34%	0.907%
91	21.727	3234	3237	3239	rBV	182922	187526	10.55%	0.925%
92	21.892	3262	3265	3269	rBV	142972	206751	11.63%	1.020%
93	22.168	3309	3312	3318	rVB2	406578	538131	30.28%	2.656%
94	22.656	3391	3395	3398	rBV	412030	558442	31.42%	2.756%
95	22.697	3398	3402	3406	rVV	279196	474328	26.69%	2.341%
96	23.156	3477	3480	3483	rBV	166243	249458	14.03%	1.231%
97	23.203	3484	3488	3492	rVB2	479833	737808	41.51%	3.641%
98	23.344	3508	3512	3517	rVB	413347	651171	36.64%	3.214%
99	23.815	3587	3592	3598	rVB	443781	818265	46.04%	4.038%
100	24.527	3709	3713	3727	rVB	279893	634292	35.69%	3.130%

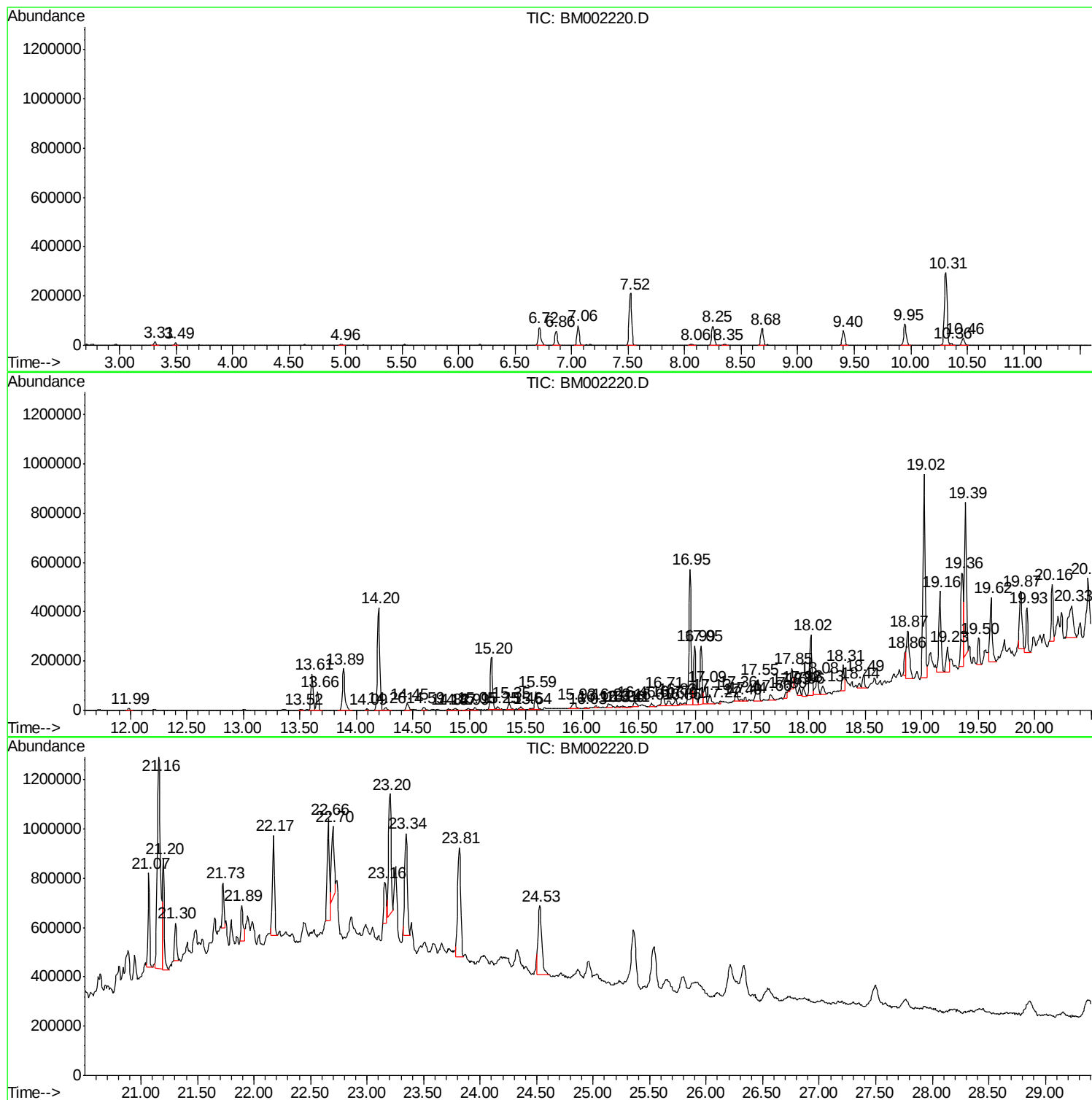
Sum of corrected areas: 20263162

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



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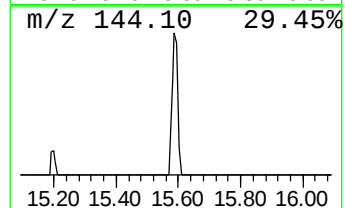
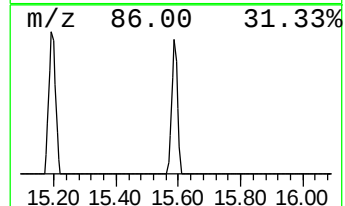
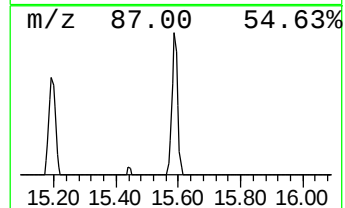
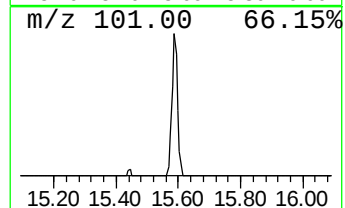
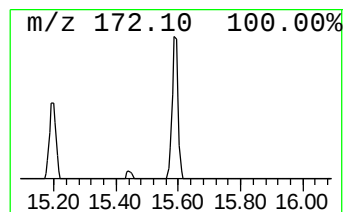
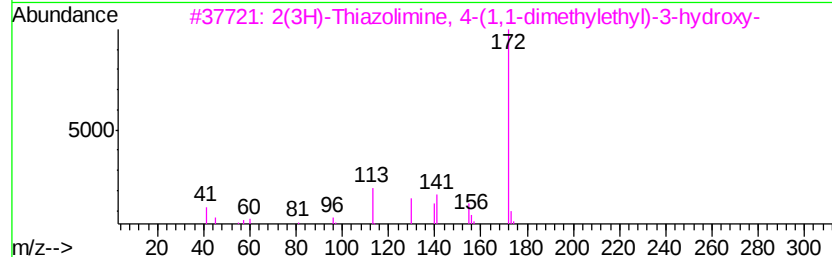
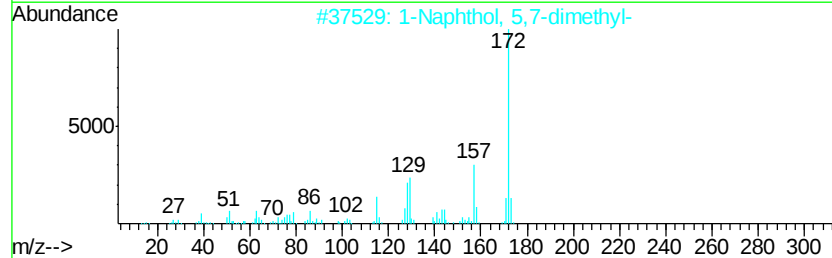
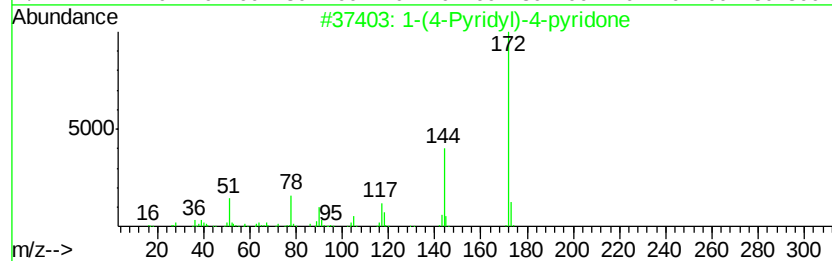
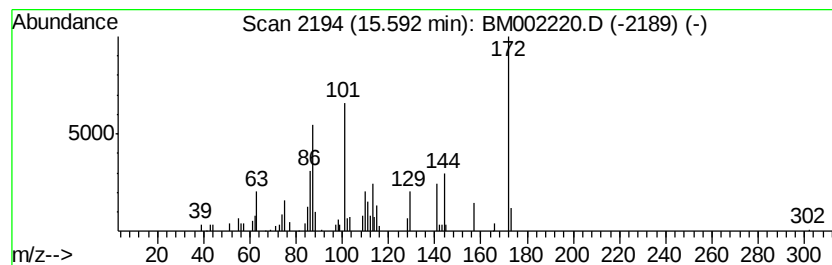
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.59	2.41 ng/ul	92026	Phenanthrene-d10		16.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Pyridyl)-4-pyridone	172	C10H8N2O	003881-38-7	22	
2	1-Naphthol, 5,7-dimethyl-	172	C12H12O	031706-76-0	18	
3	2(3H)-Thiazolimine, 4-(1,1-dimet...	172	C7H12N2OS	1000054-65-6	16	
4	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	14	
5	Thiophane, pentyl-	158	C9H18S	035468-43-0	14	



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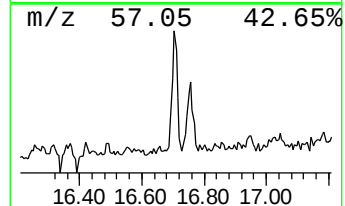
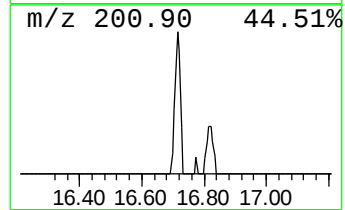
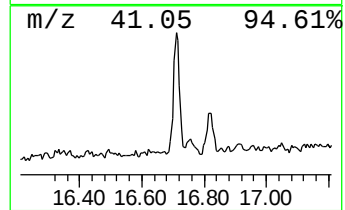
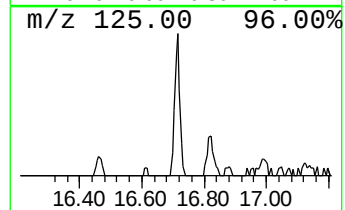
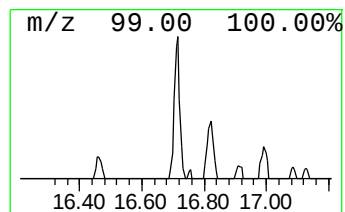
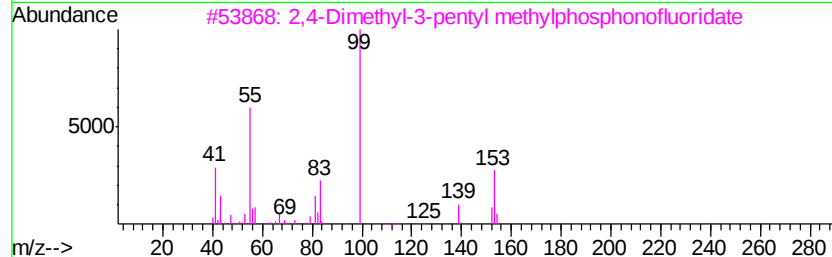
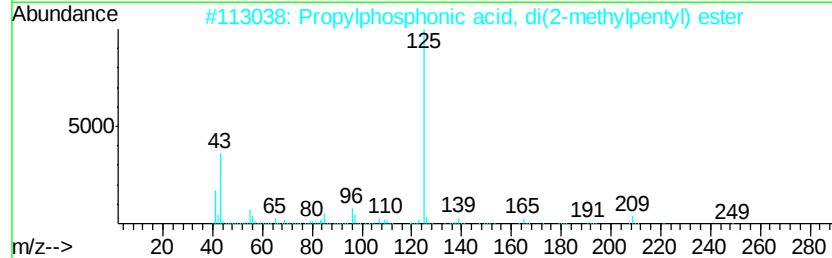
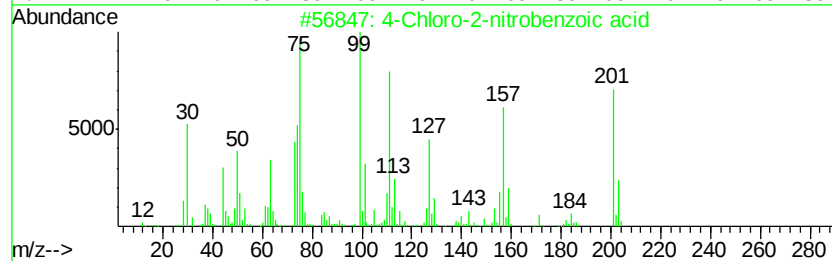
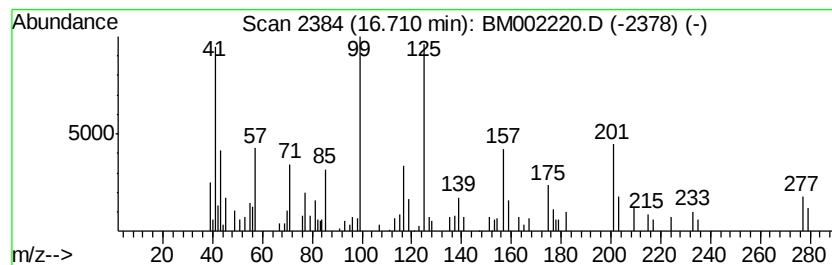
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.71	2.24 ng/ul	85580	Phenanthrene-d10	16.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	006280-88-2	22
2	Propylphosphonic acid, di(2-meth...	292	C15H33O3P	1000273-19-5	10
3	2,4-Dimethyl-3-pentyl methylphos...	196	C8H18FO2P	113548-85-9	10
4	Pyrimidine, 2,4,5-triamino-	125	C4H7N5	003546-50-7	10
5	Hexanoic acid, 3-tridecyl ester	298	C19H38O2	1000279-29-2	10



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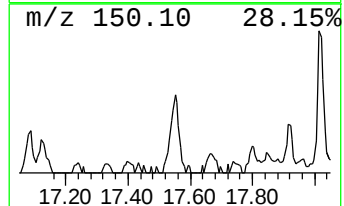
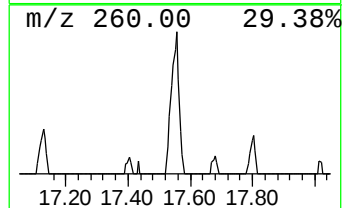
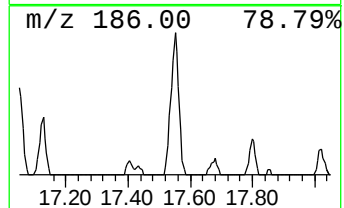
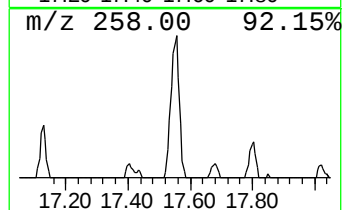
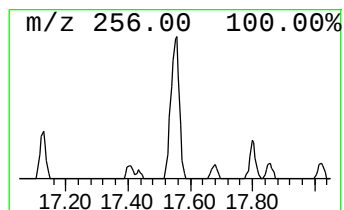
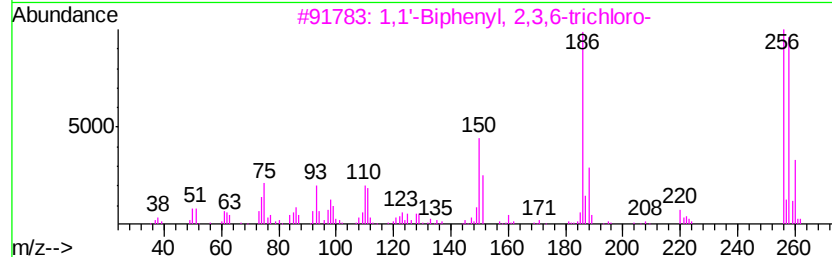
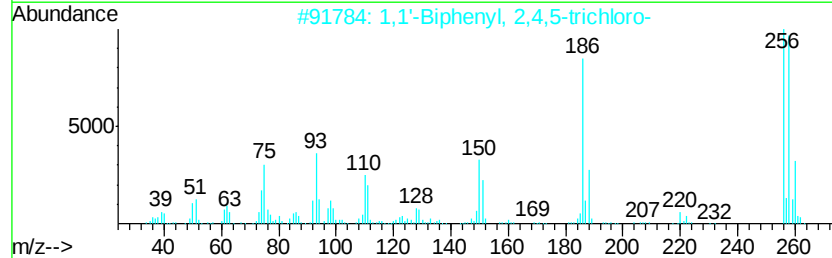
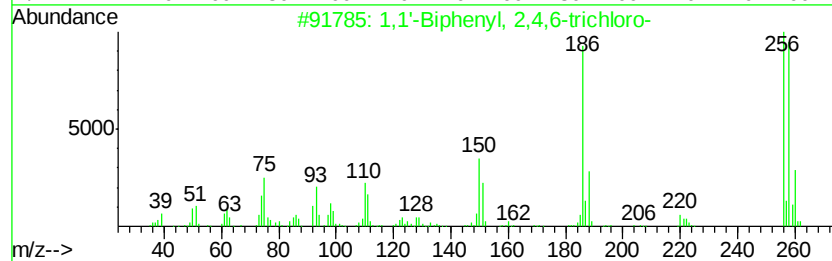
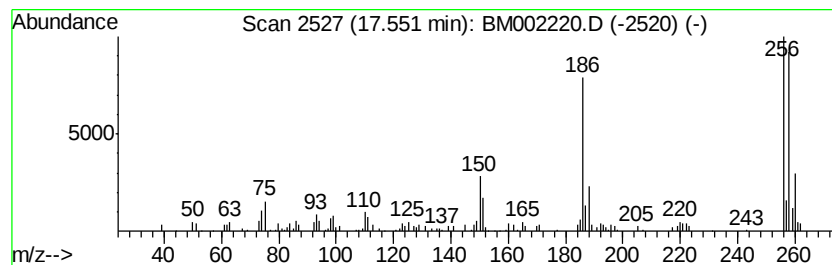
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Peak Number 3 1,1'-Biphenyl, 2,4,6-trichl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	4.75 ng/ul	181792	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	99
2			1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
3			1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
4			1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
5			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

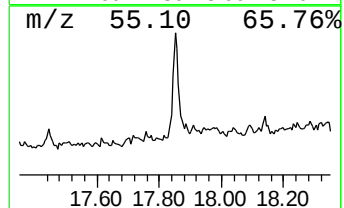
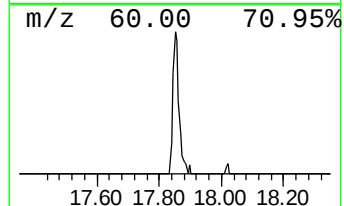
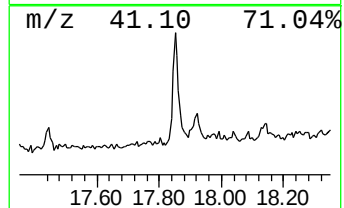
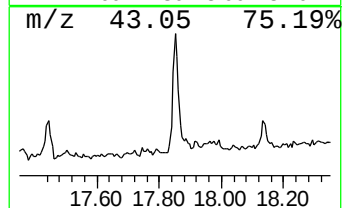
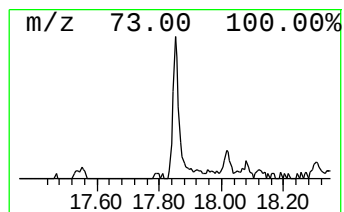
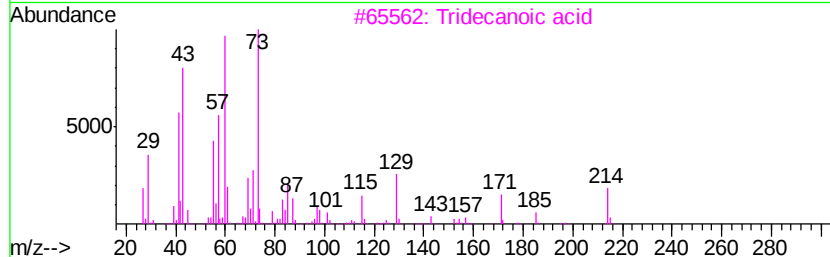
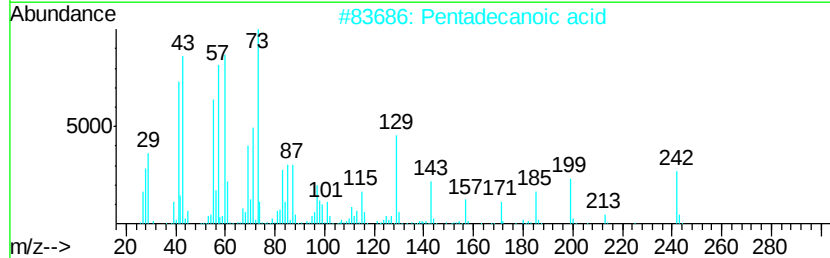
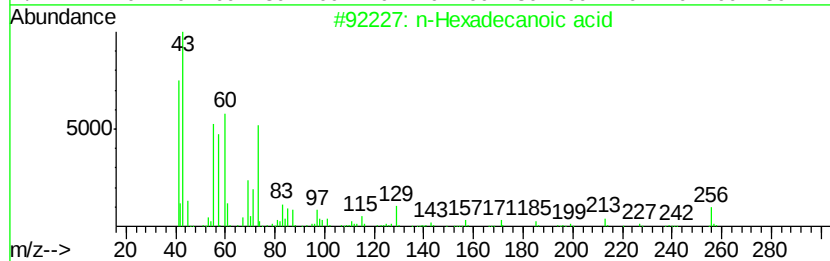
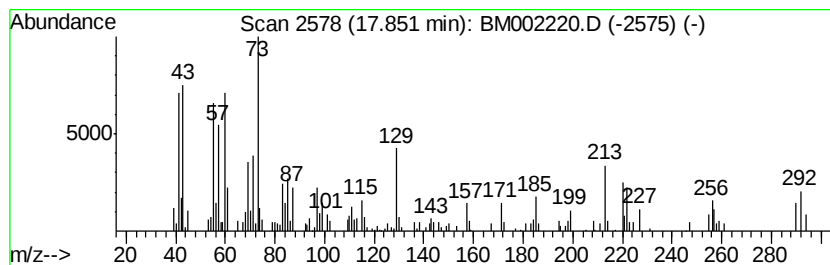
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.71 ng/ul	103522	Phenanthrene-d10	16.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	60
3		Tridecanoic acid	214	C13H26O2	000638-53-9	55
4		n-Decanoic acid	172	C10H20O2	000334-48-5	52
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

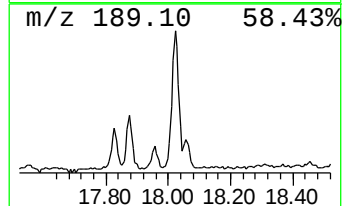
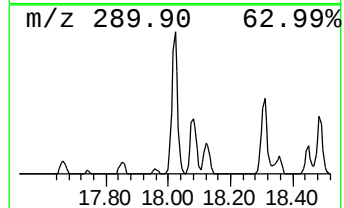
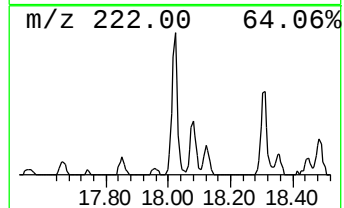
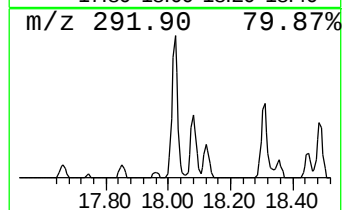
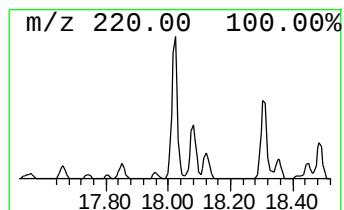
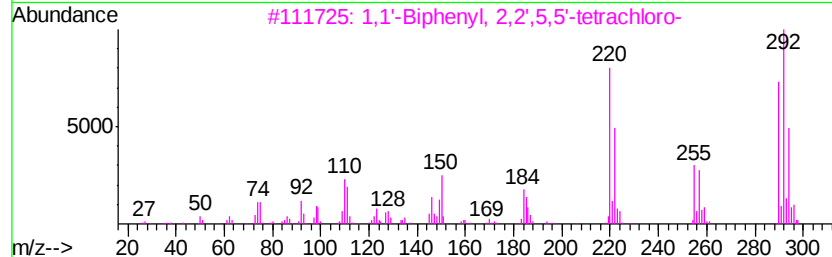
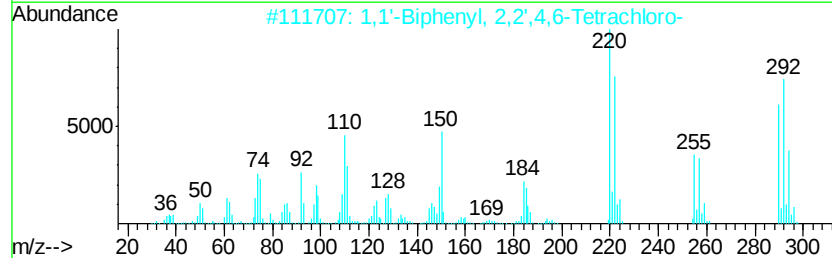
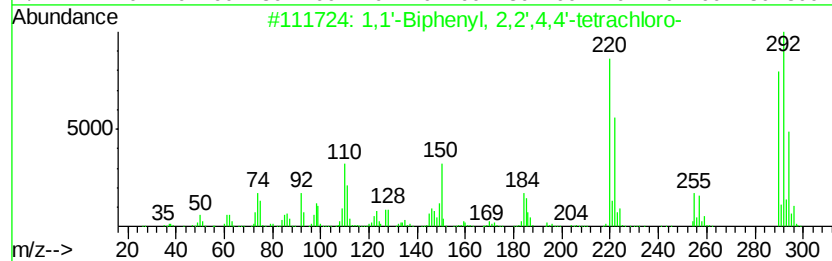
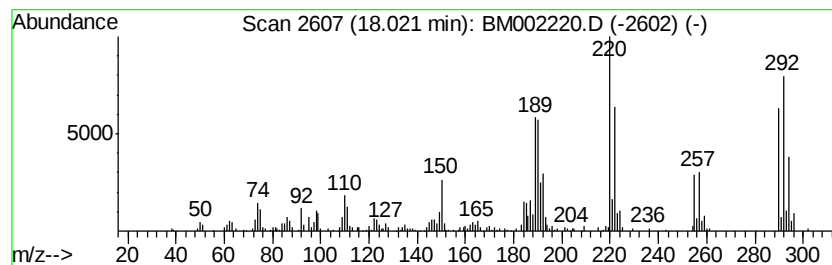
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	9.03 ng/u1	345434	Phenanthrene-d10	16.95

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',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',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_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

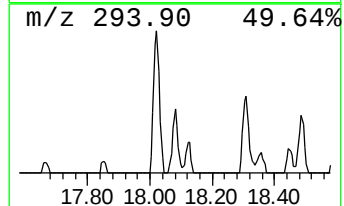
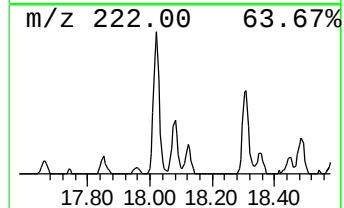
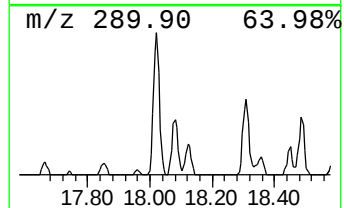
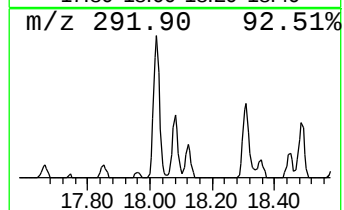
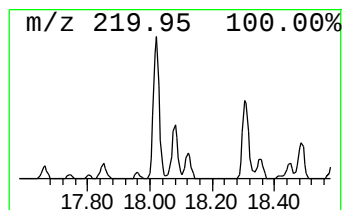
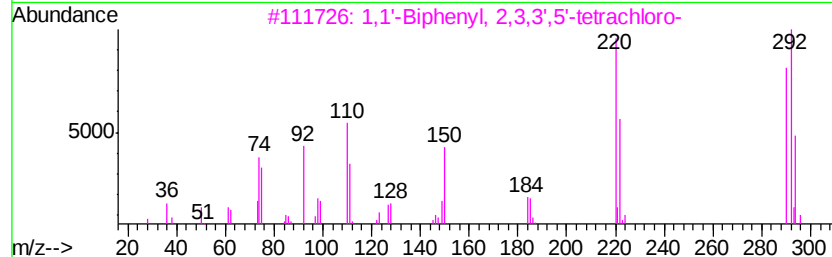
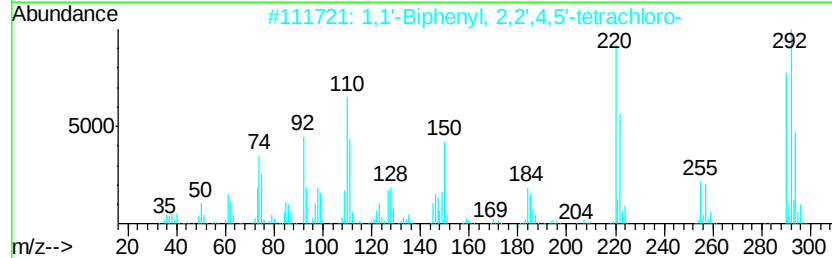
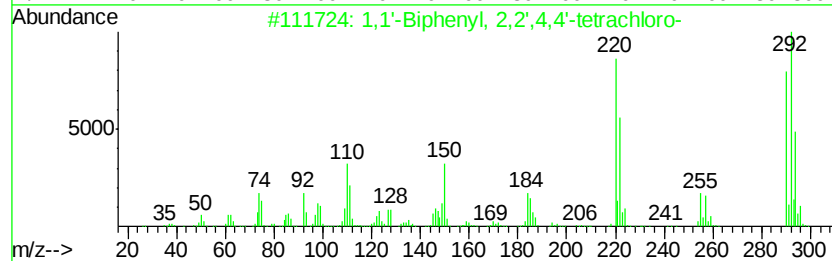
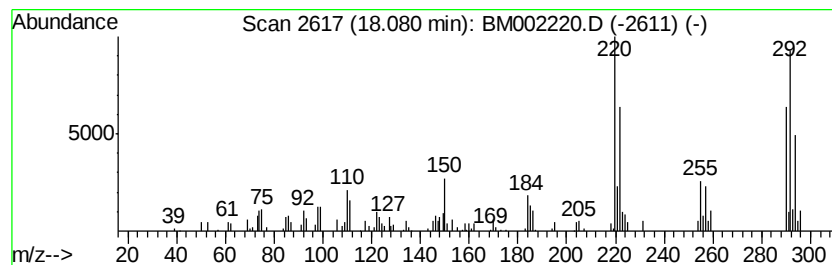
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.19 ng/ul	121929	Phenanthrene-d10	16.95

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	98
4			1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
5			1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

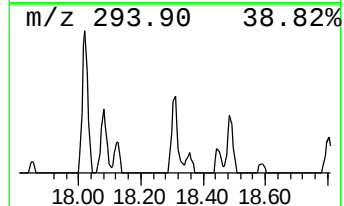
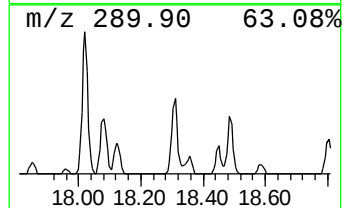
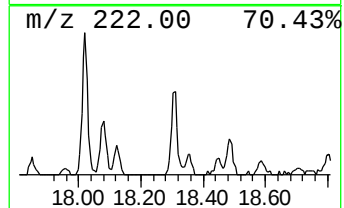
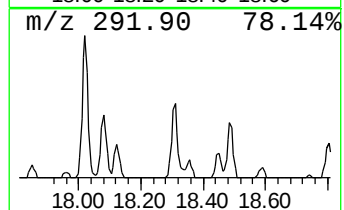
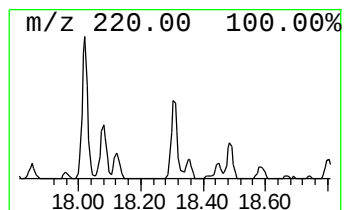
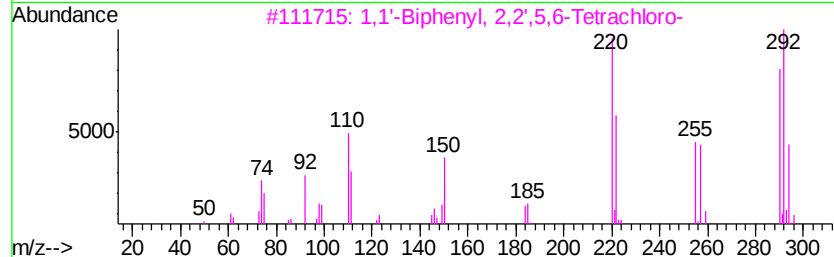
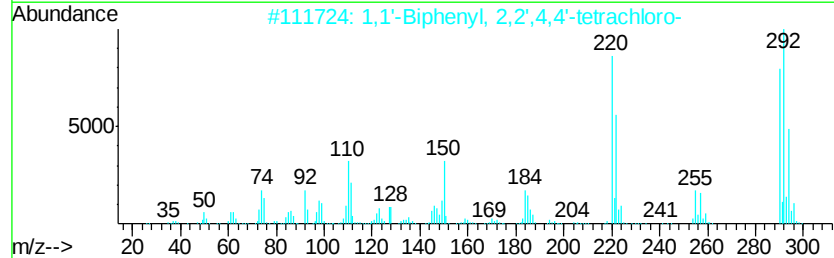
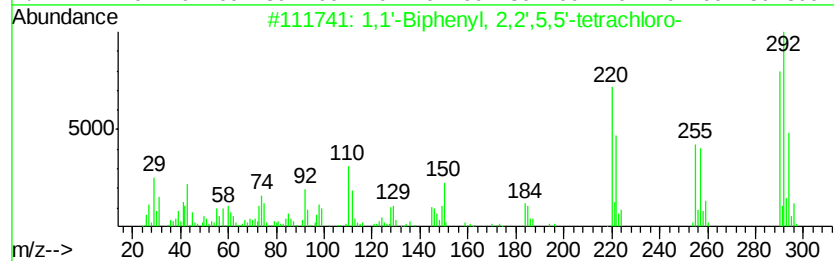
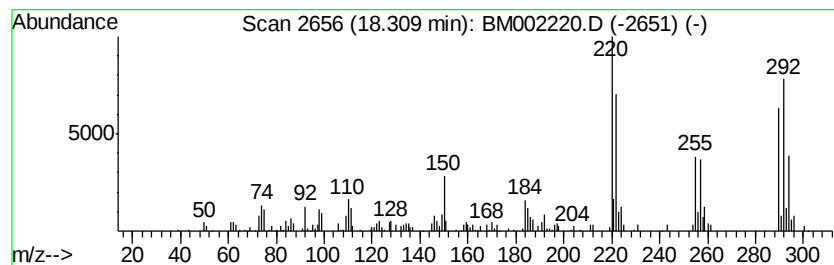
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.31	3.66 ng/ul	139851	Phenanthrene-d10	16.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrachl...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrachl...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C02L6RE

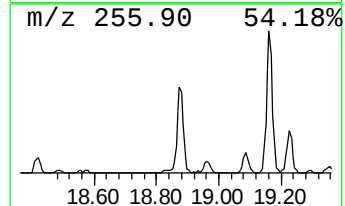
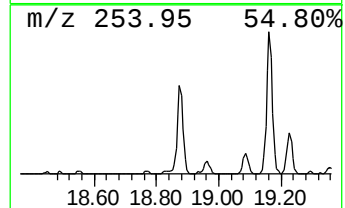
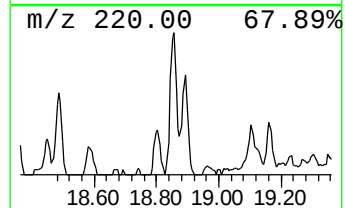
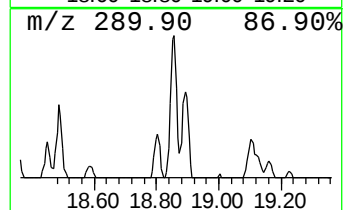
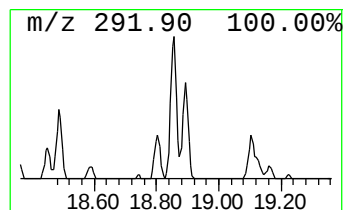
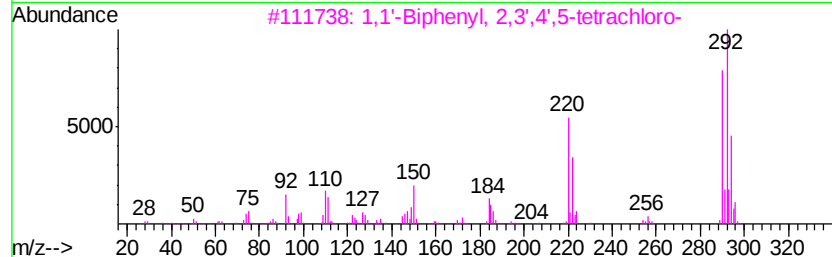
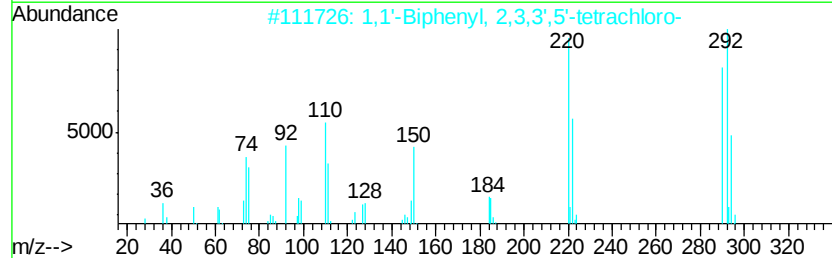
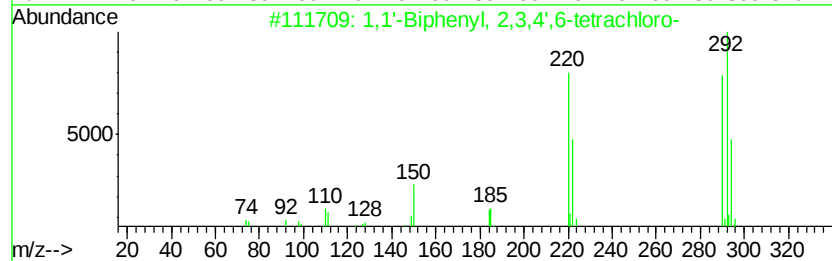
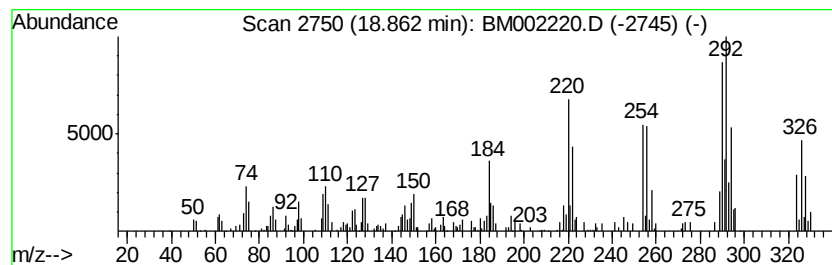
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.24 ng/ul	123961	Phenanthrene-d10	16.95

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, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
4		1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
5		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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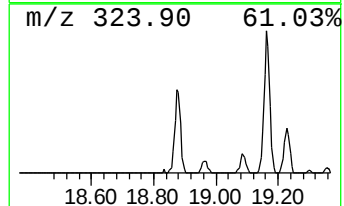
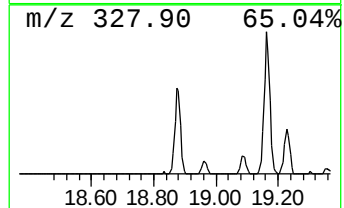
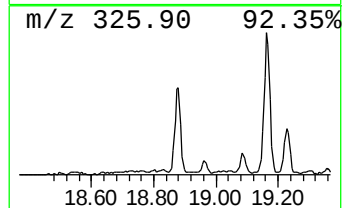
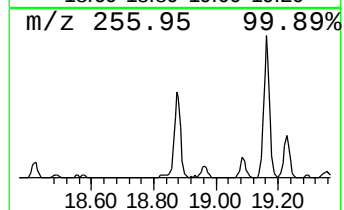
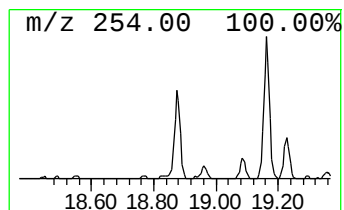
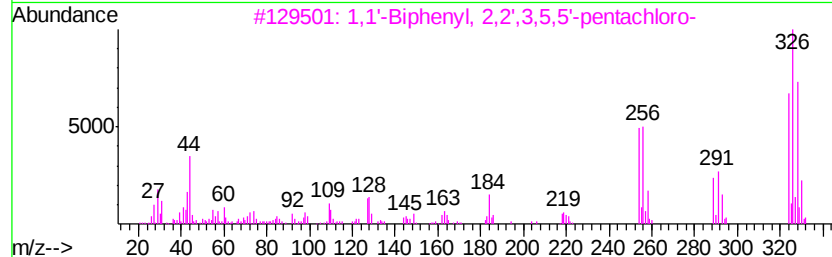
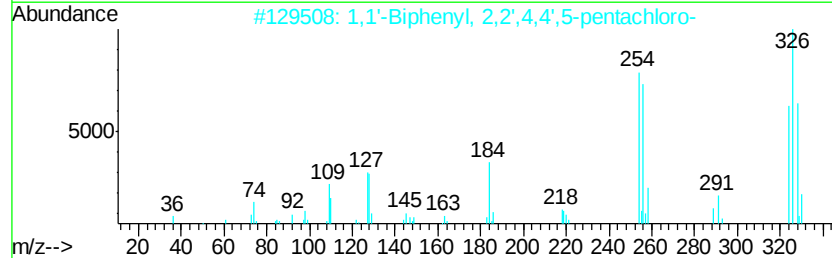
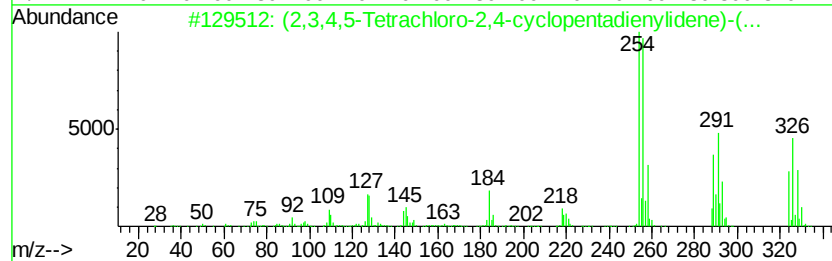
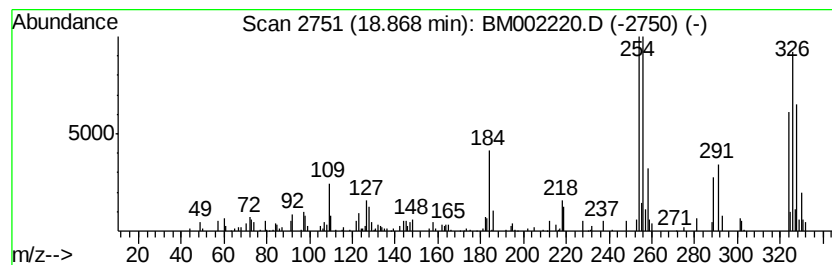
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	8.52 ng/ul	325769	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
2			1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
3			1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95
4			1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
5			1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

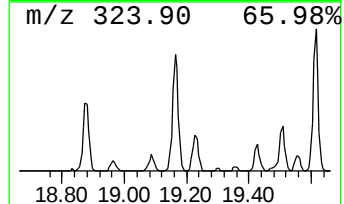
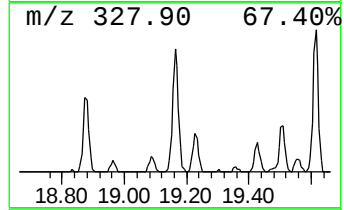
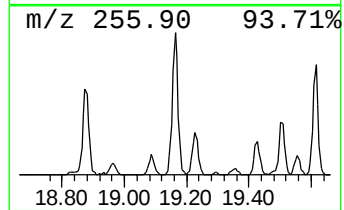
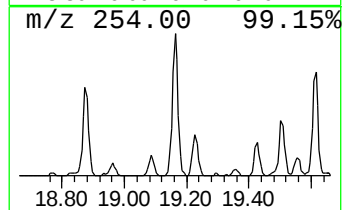
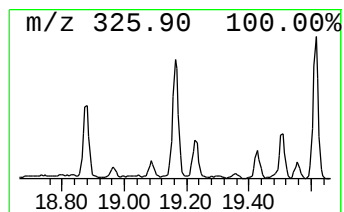
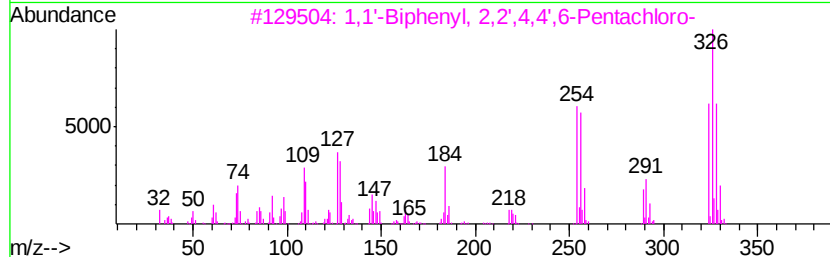
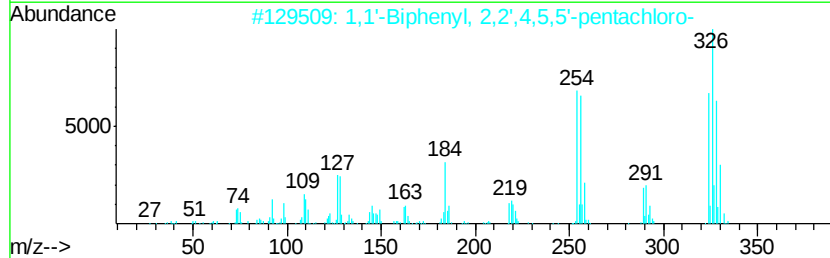
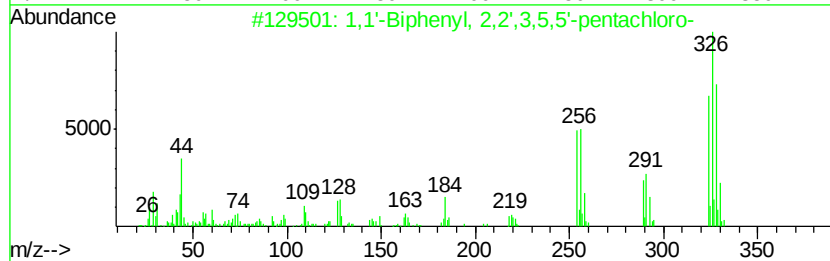
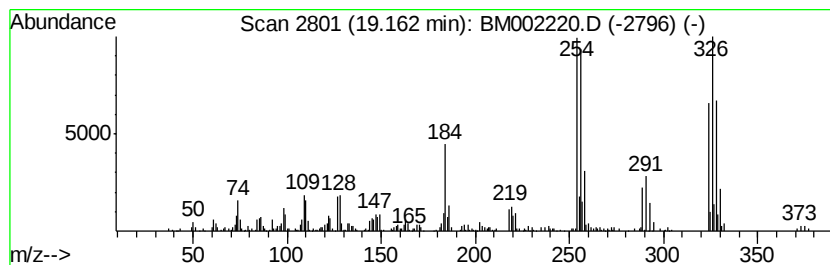
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	5.19 ng/ul	461015	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
3		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	97
4		(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
5		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

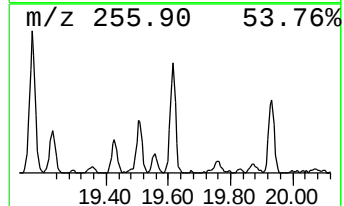
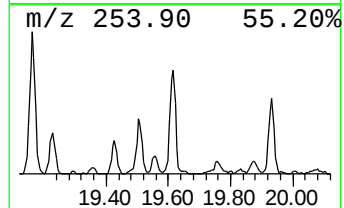
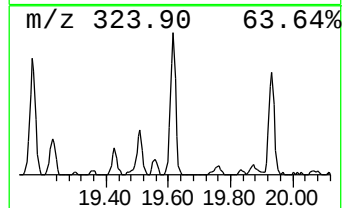
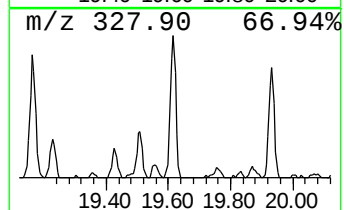
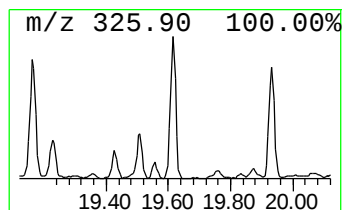
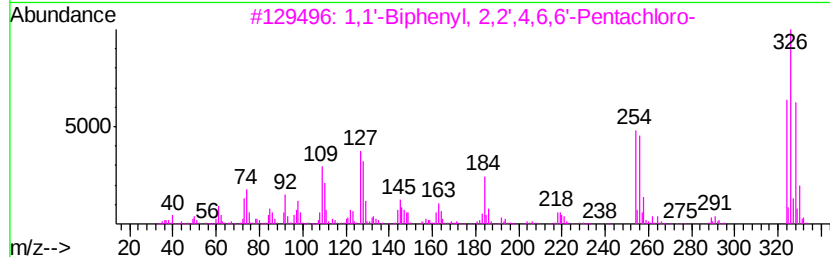
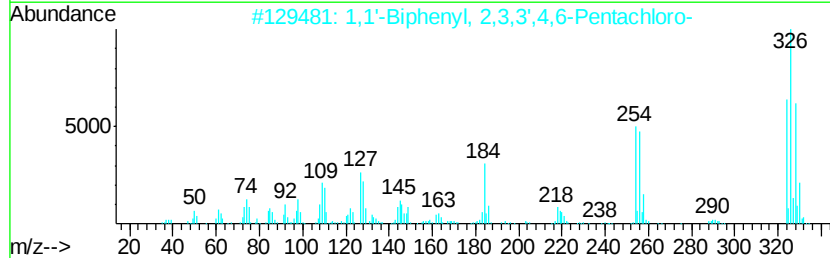
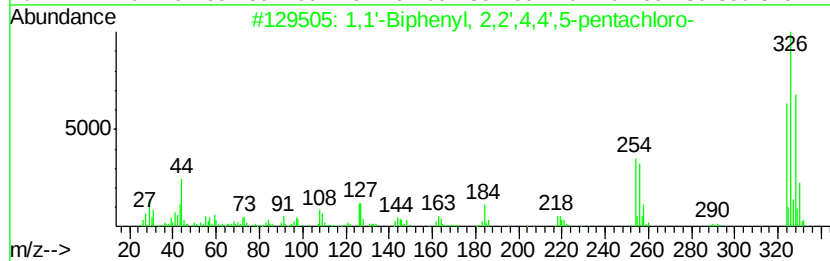
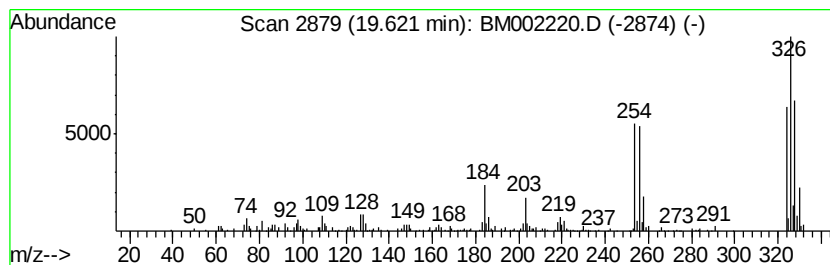
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	3.99 ng/ul	354345	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
2		1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
3		1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
4		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
5		1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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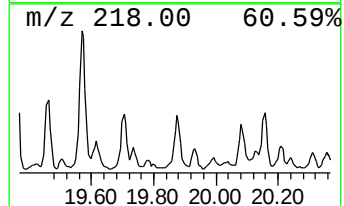
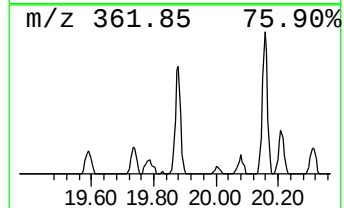
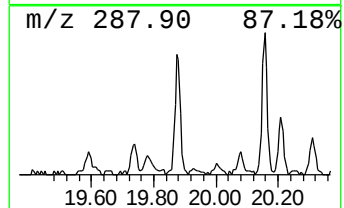
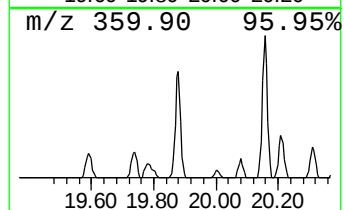
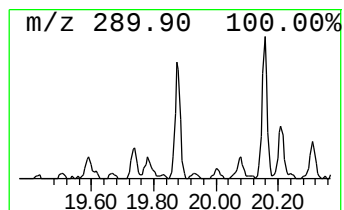
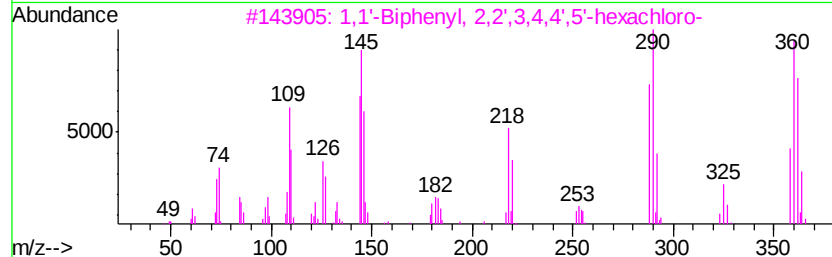
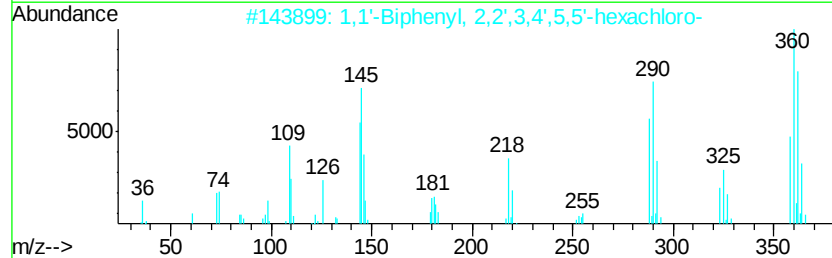
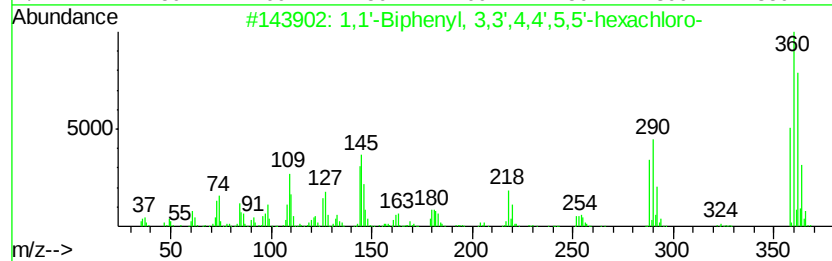
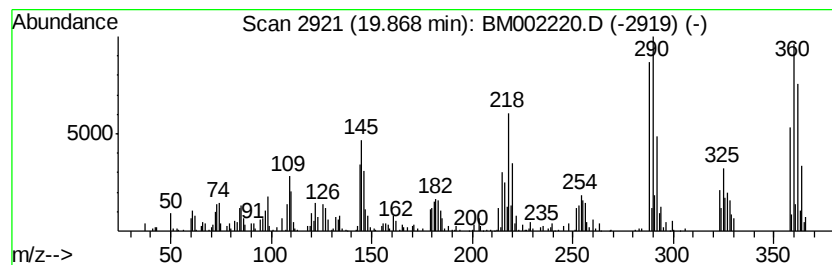
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	3.91 ng/ul	347541	Chrysene-d12	21.16

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	99
2		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
4		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

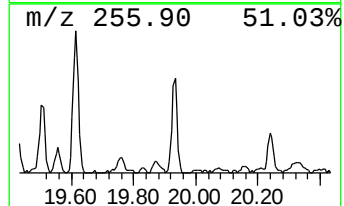
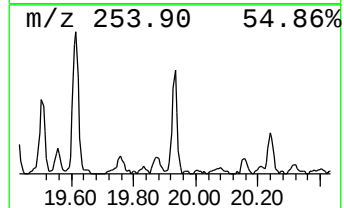
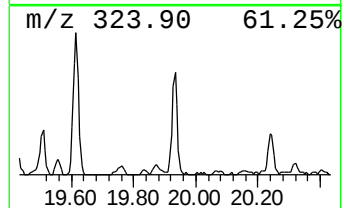
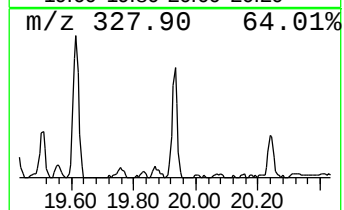
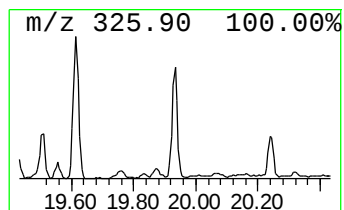
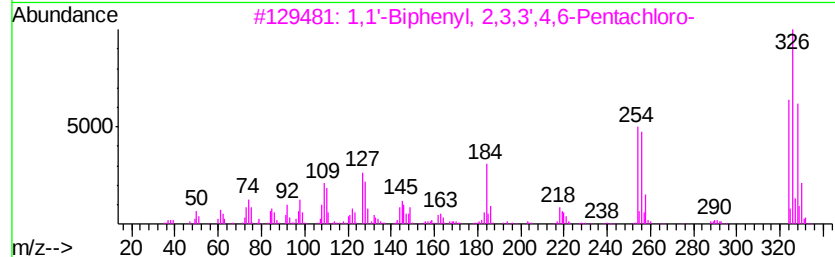
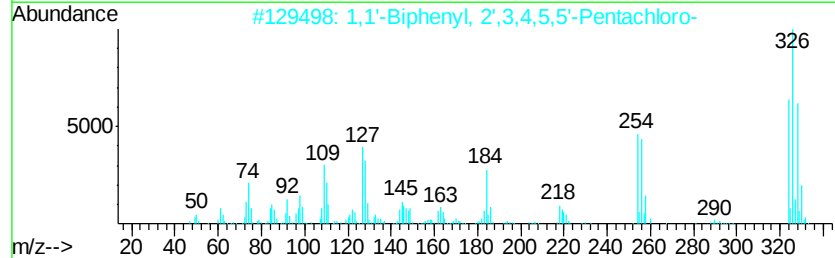
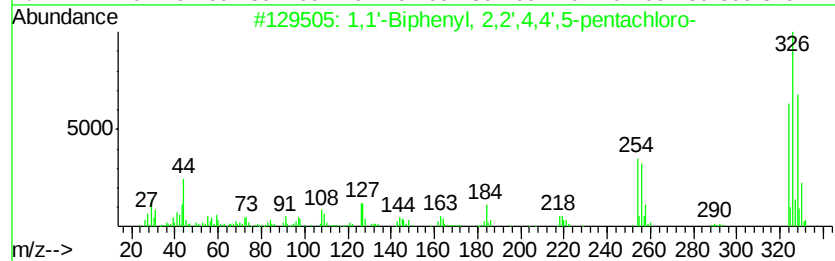
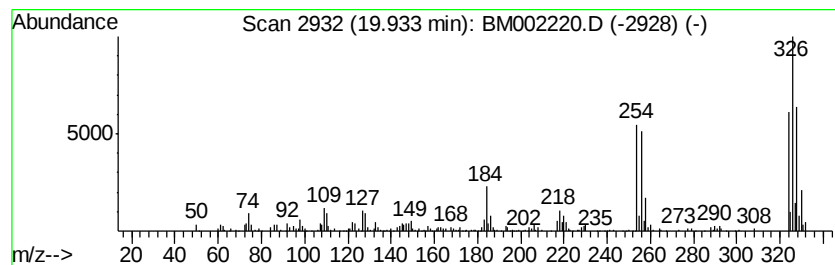
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.93	2.37 ng/ul	210567	Chrysene-d12	21.16		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
2	1,1'-Biphenyl,	2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96
3	1,1'-Biphenyl,	2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96
4	1,1'-Biphenyl,	2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
5	1,1'-Biphenyl,	2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

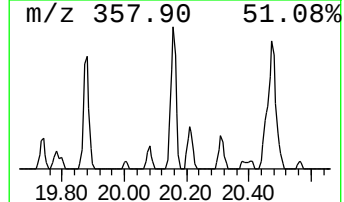
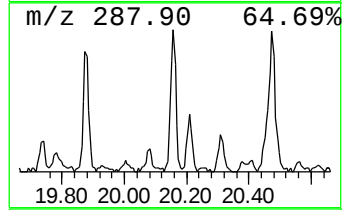
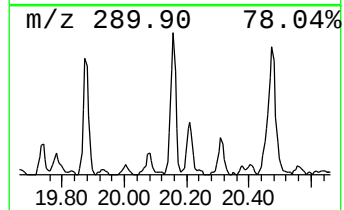
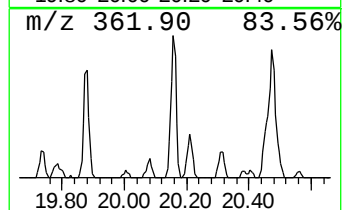
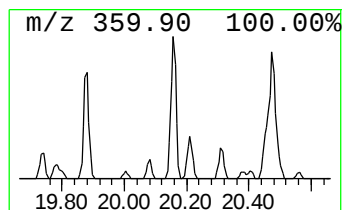
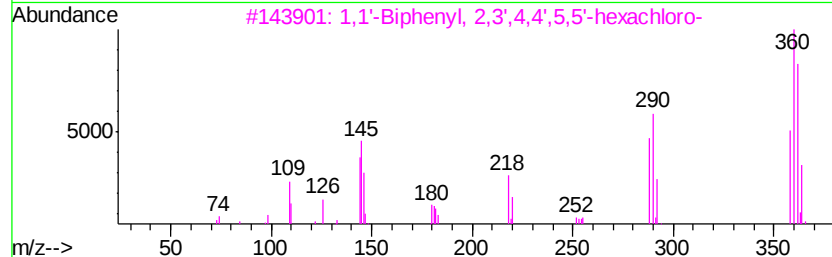
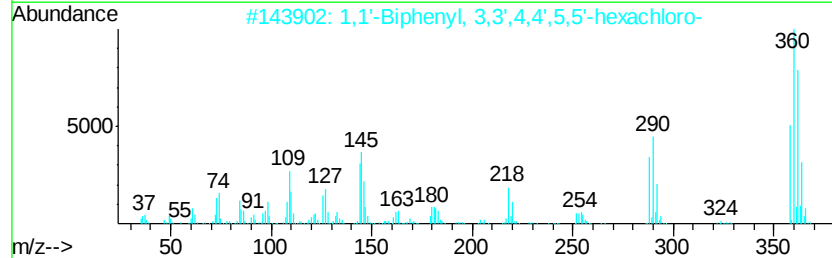
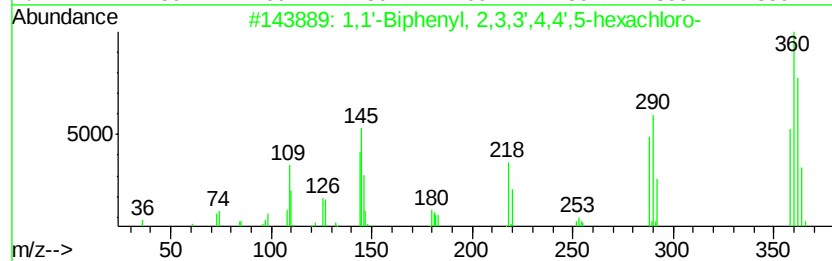
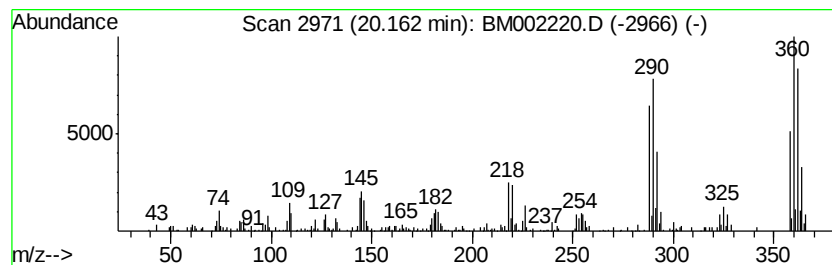
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.03 ng/ul	269689	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	98
3		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
4		1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	95
5		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

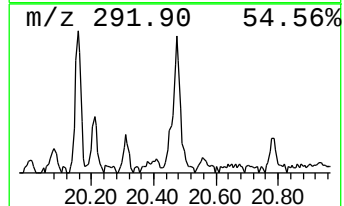
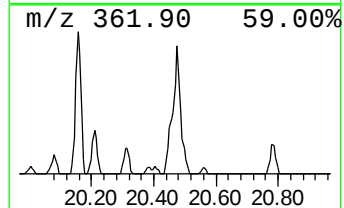
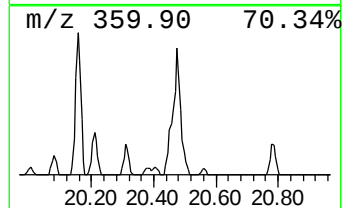
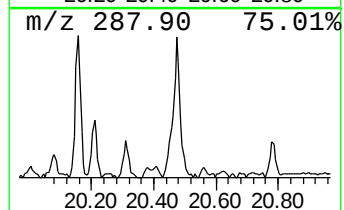
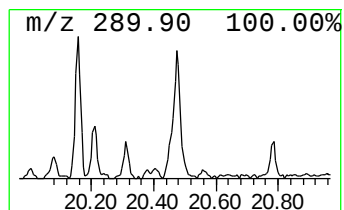
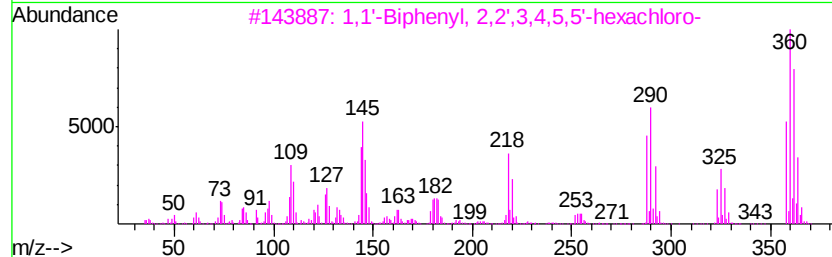
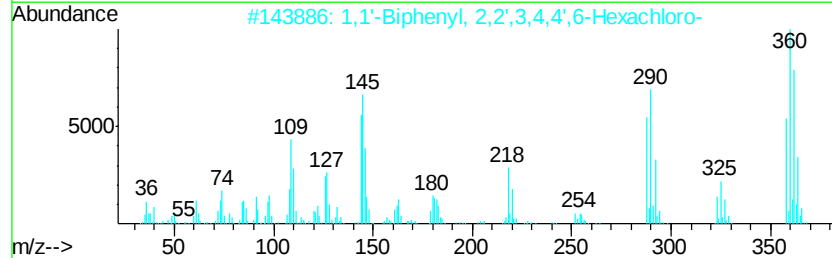
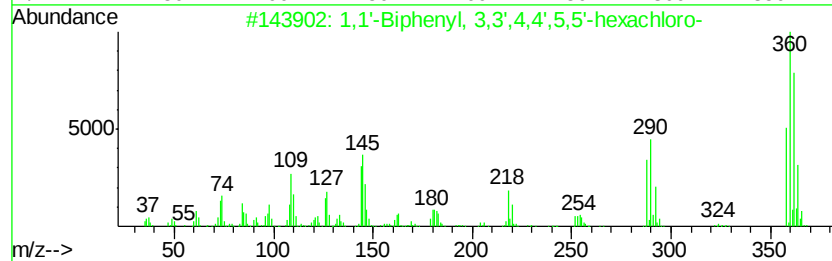
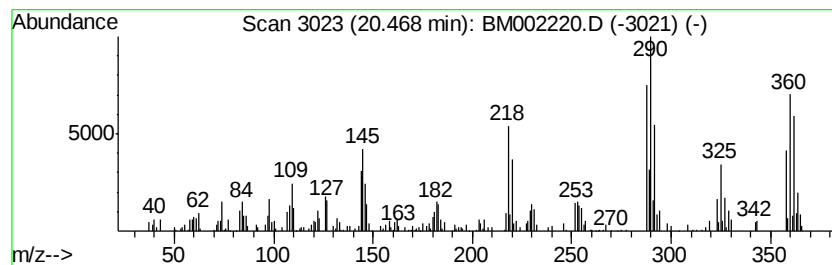
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.47	3.76 ng/ul	334510	Chrysene-d12	21.16		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl,	2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl,	2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl,	2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
5	1,1'-Biphenyl,	2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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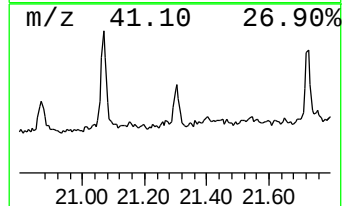
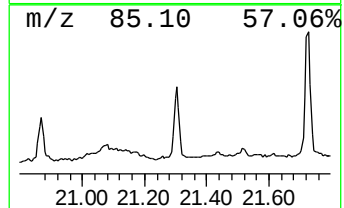
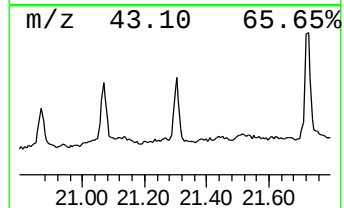
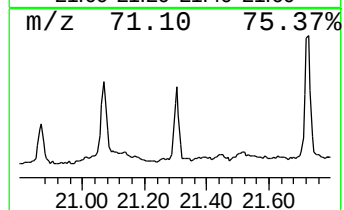
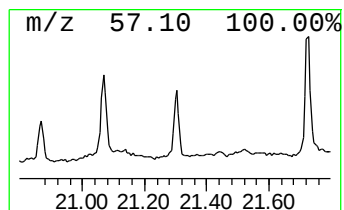
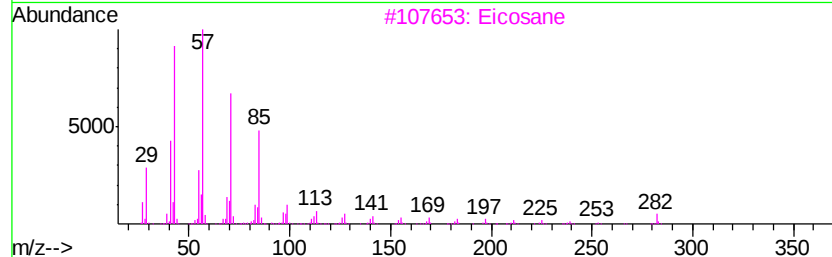
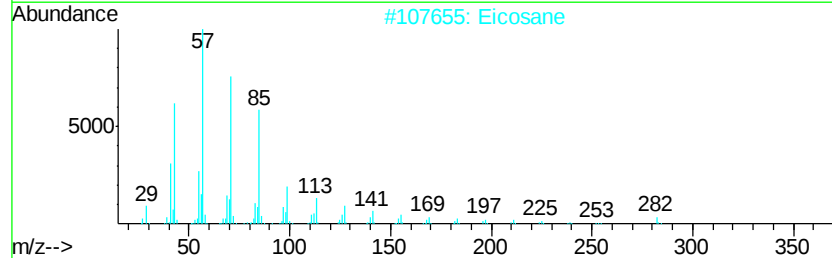
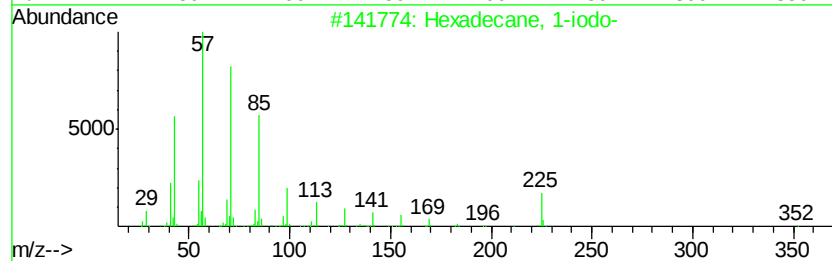
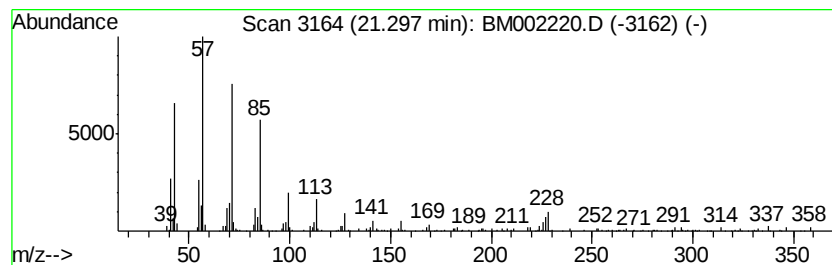
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Hexadecane, 1-iodo- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.07 ng/ul	183824	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	92
2		Eicosane	282	C20H42	000112-95-8	91
3		Eicosane	282	C20H42	000112-95-8	83
4		Heneicosane	296	C21H44	000629-94-7	70
5		Heptadecane	240	C17H36	000629-78-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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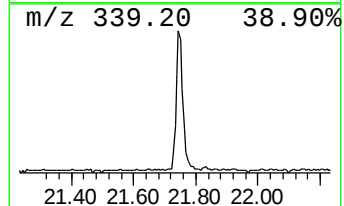
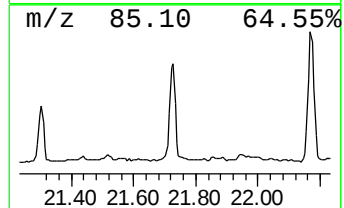
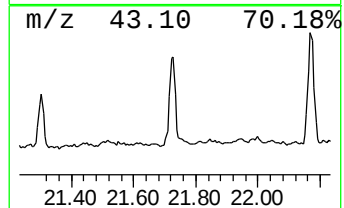
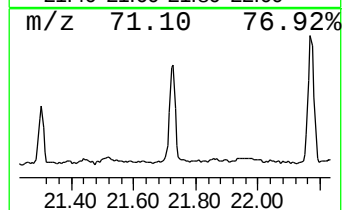
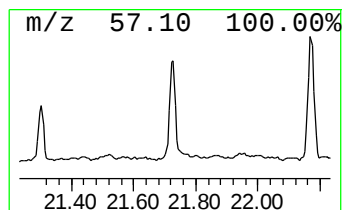
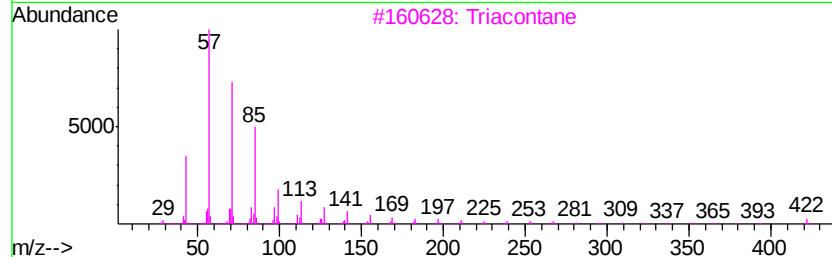
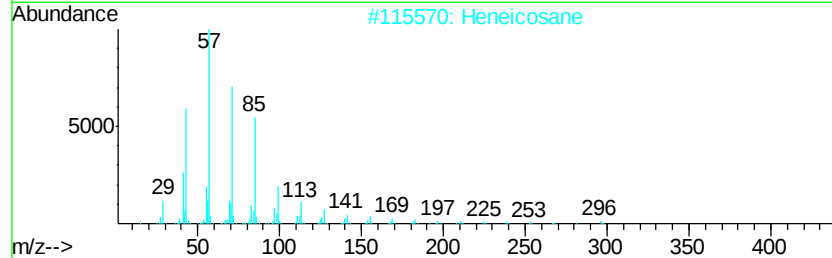
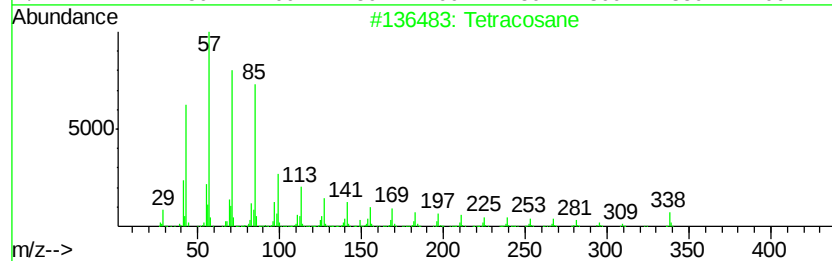
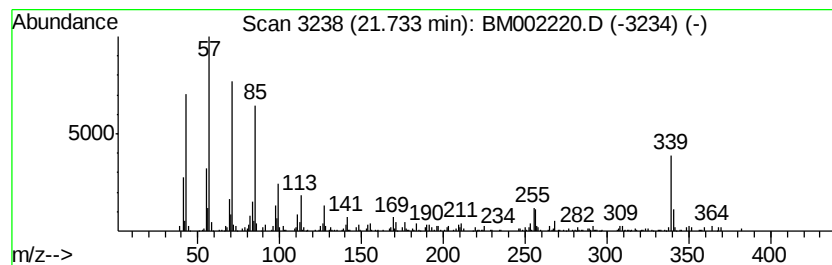
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	2.11 ng/ul	187526	Chrysene-d12	21.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	94
2			Heneicosane	296	C21H44	000629-94-7	91
3			Triacontane	422	C30H62	000638-68-6	91
4			Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
5			Pentacosane	352	C25H52	000629-99-2	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6RE

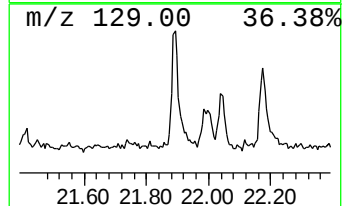
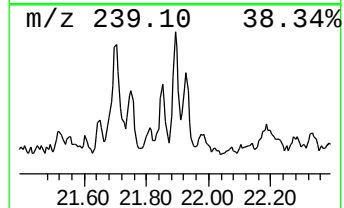
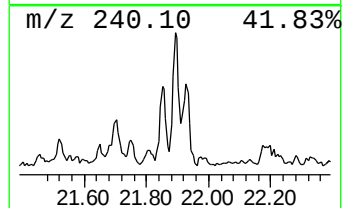
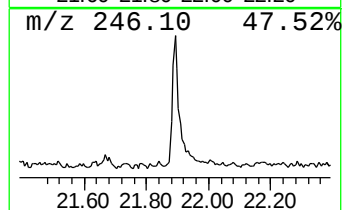
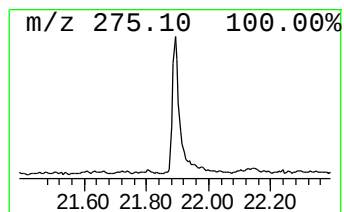
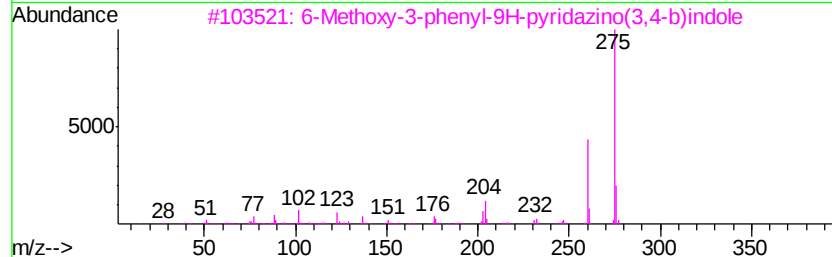
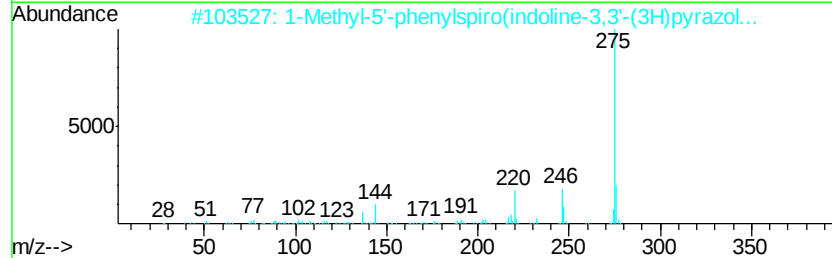
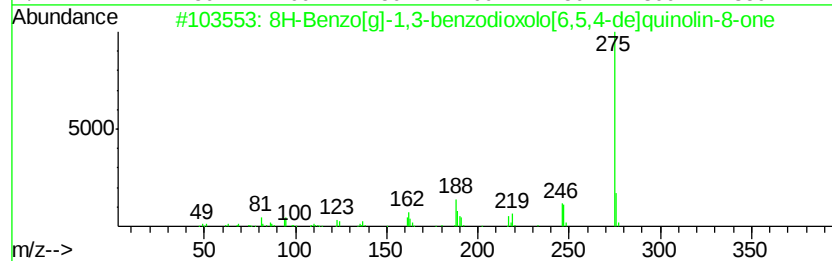
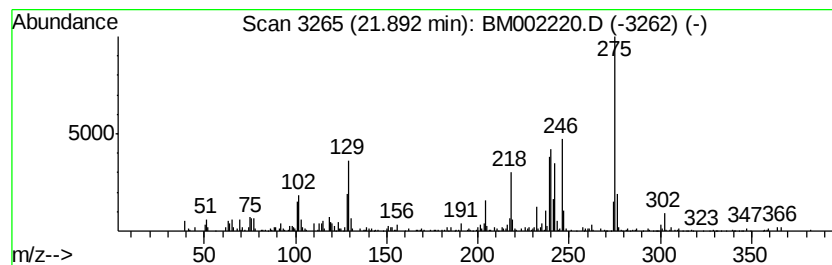
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	2.33 ng/ul	206751	Chrysene-d12	21.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9N03	000475-75-2	38
2			1-Methyl-5'-phenylspiro(indoline...	275	C17H13N3O	015970-21-5	35
3			6-Methoxy-3-phenyl-9H-pyridazino...	275	C17H13N3O	003980-94-7	30
4			3,5-Diamino-6-[3,4-diethoxypheny...	275	C13H17N5O2	058848-69-4	30
5			Acetic acid, 2-[5-(4-nitrophenyl...	275	C13H13N3O4	351064-45-4	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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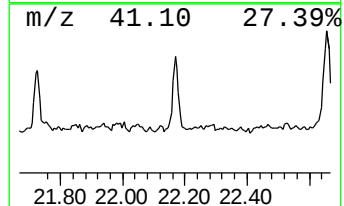
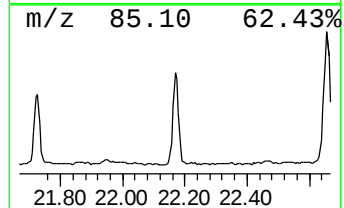
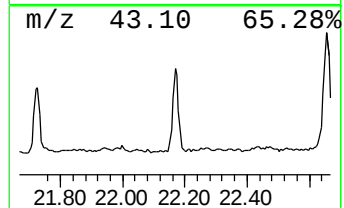
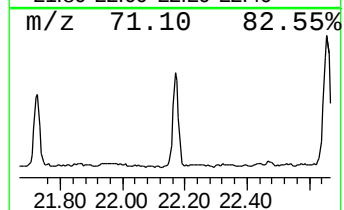
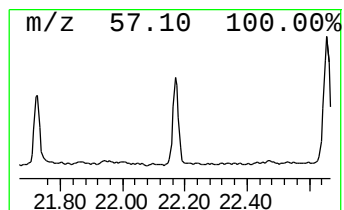
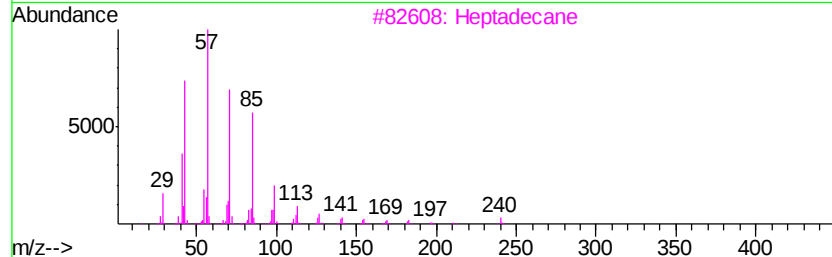
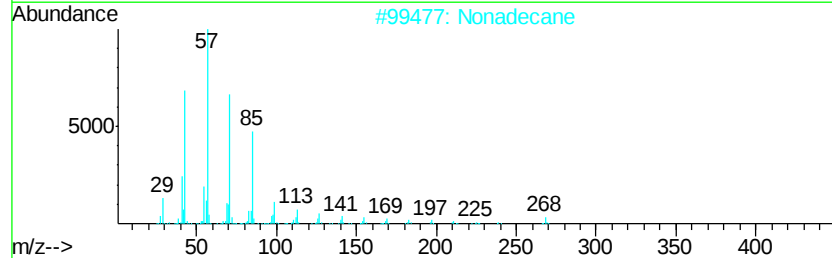
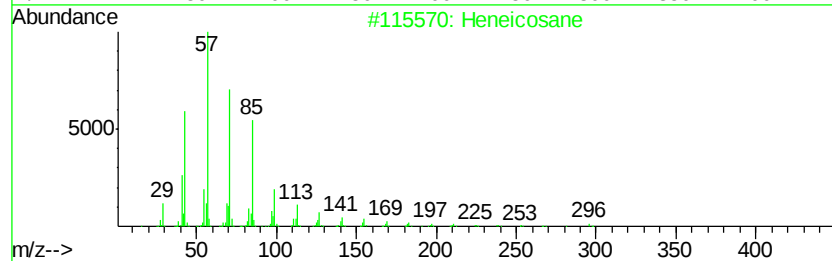
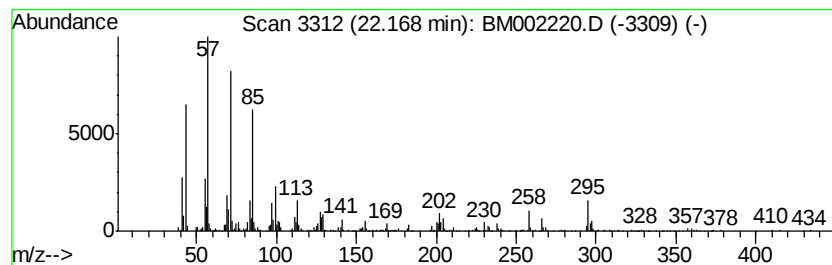
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	6.06 ng/ul	538131	Chrysene-d12	21.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	98
2			Nonadecane	268	C19H40	000629-92-5	95
3			Heptadecane	240	C17H36	000629-78-7	90
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	89
5			Triacontane	422	C30H62	000638-68-6	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
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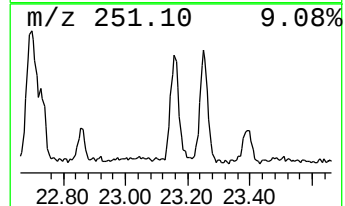
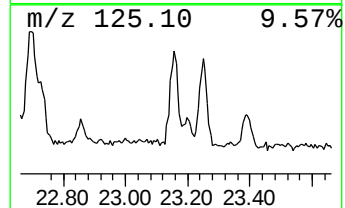
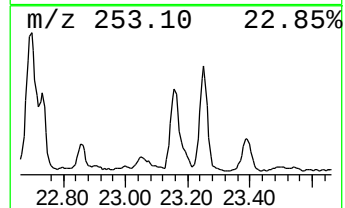
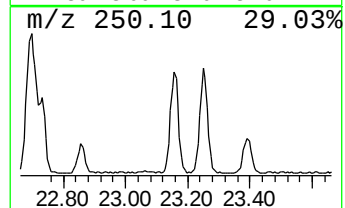
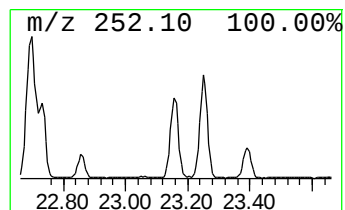
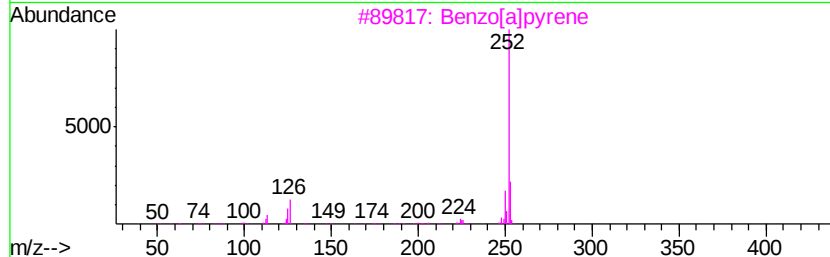
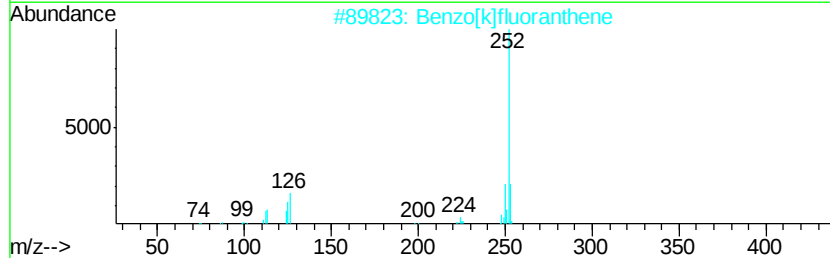
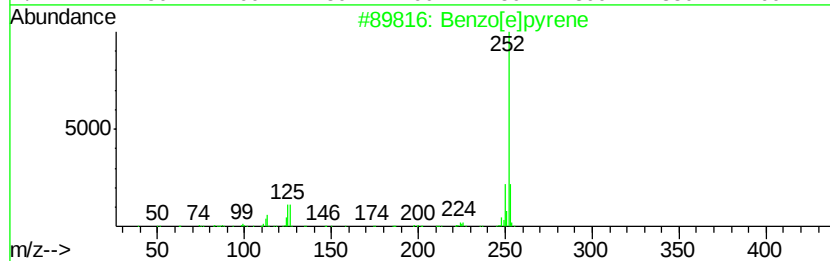
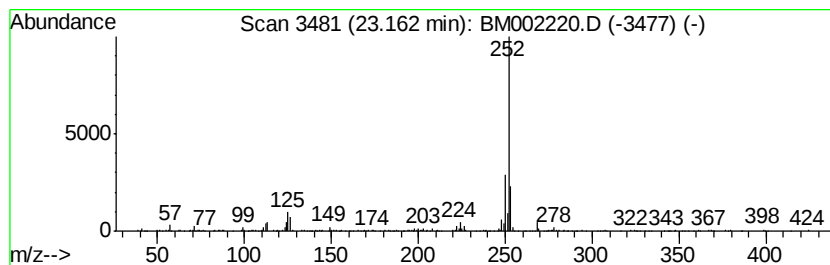
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	7.66 ng/ul	249458	Perylene-d12	23.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
Operator : TP/UM
Sample : G3073-22RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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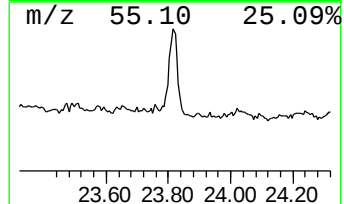
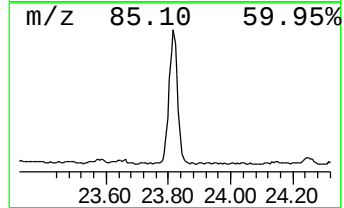
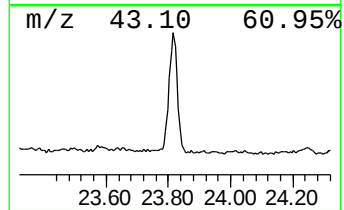
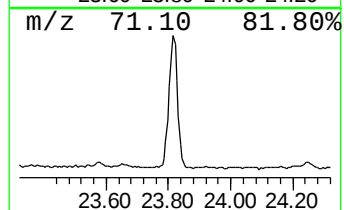
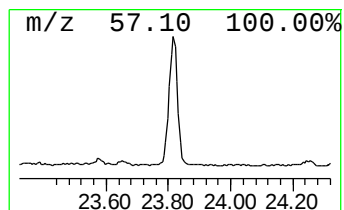
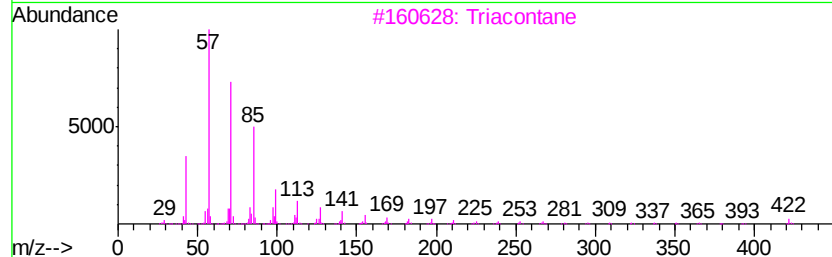
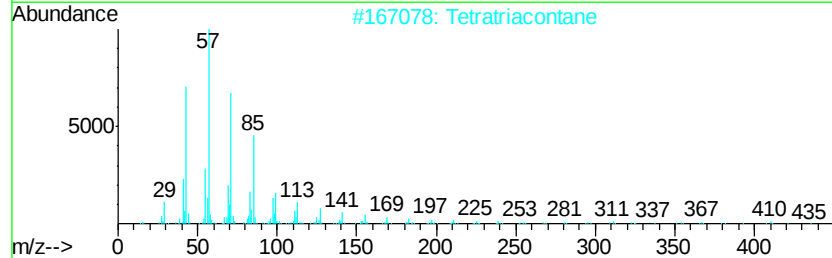
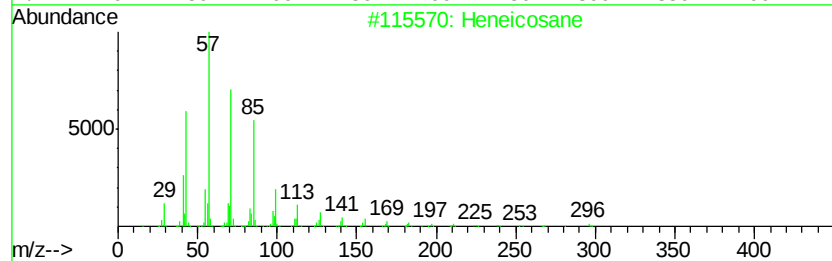
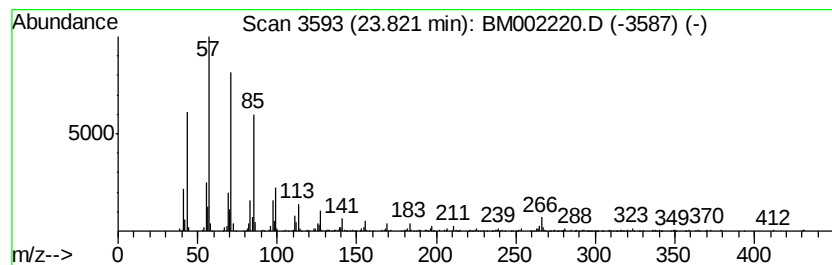
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.82	25.13 ng/ul	818265	Perylene-d12	23.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	96
2		Tetratriacontane	479	C34H70	014167-59-0	93
3		Triacontane	422	C30H62	000638-68-6	90
4		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90
5		Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002220.D
Acq On : 04 Aug 2015 21:29
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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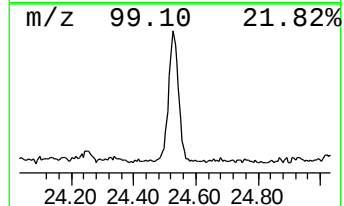
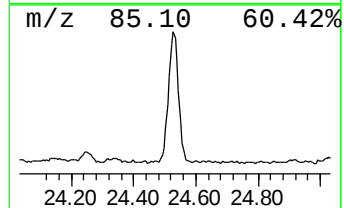
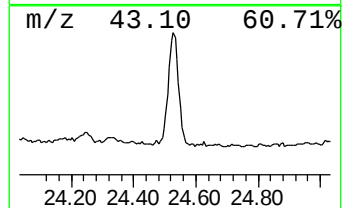
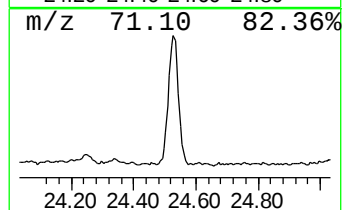
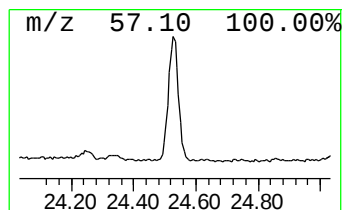
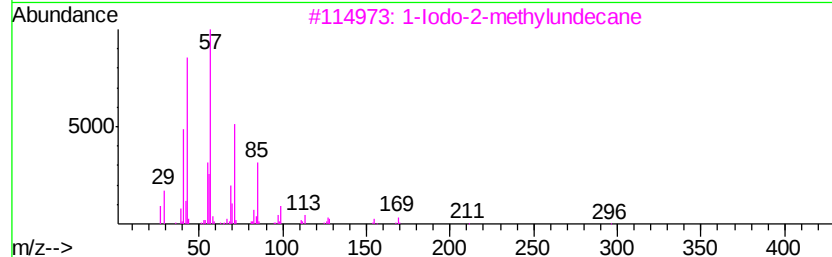
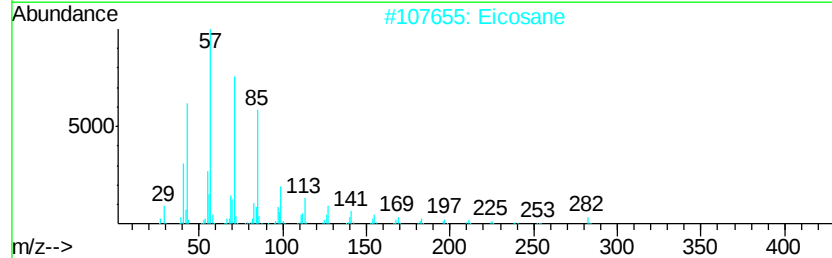
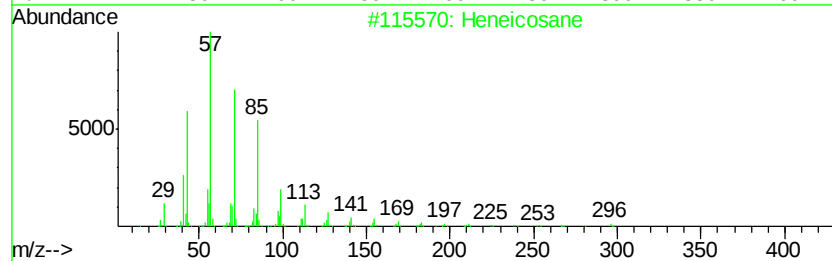
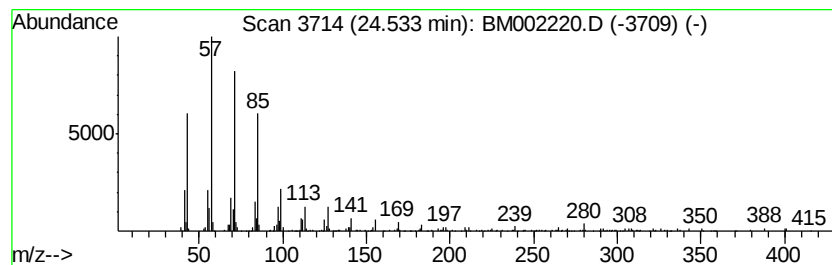
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 1-Iodo-2-methylundecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.53	19.48 ng/ul	634292	Perylene-d12	23.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Eicosane	282	C20H42	000112-95-8	91
3		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4		Docosane	310	C22H46	000629-97-0	91
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002220.D
 Acq On : 04 Aug 2015 21:29
 Operator : TP/UM
 Sample : G3073-22RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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
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unknown-02	16.71	2.2	ng/ul	85580	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	17.55	4.8	ng/ul	181792	4	16.95	765114	20.0
n-Hexadecanoic acid	17.85	2.7	ng/ul	103522	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	18.02	9.0	ng/ul	345434	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	18.08	3.2	ng/ul	121929	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	18.31	3.7	ng/ul	139851	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	18.86	3.2	ng/ul	123961	4	16.95	765114	20.0
(2,3,4,5-Tetrachl...	18.87	8.5	ng/ul	325769	4	16.95	765114	20.0
1,1'-Biphenyl, 2,...	19.16	5.2	ng/ul	461015	5	21.16	1777460	20.0
1,1'-Biphenyl, 2,...	19.62	4.0	ng/ul	354345	5	21.16	1777460	20.0
1,1'-Biphenyl, 3,...	19.87	3.9	ng/ul	347541	5	21.16	1777460	20.0
1,1'-Biphenyl, 2'...	19.93	2.4	ng/ul	210567	5	21.16	1777460	20.0
1,1'-Biphenyl, 2,...	20.16	3.0	ng/ul	269689	5	21.16	1777460	20.0
1,1'-Biphenyl, 2,...	20.47	3.8	ng/ul	334510	5	21.16	1777460	20.0
Hexadecane, 1-iodo-	21.30	2.1	ng/ul	183824	5	21.16	1777460	20.0
(DEL) Alkane: Str...	21.73	2.1	ng/ul	187526	5	21.16	1777460	20.0
unknown-03	21.89	2.3	ng/ul	206751	5	21.16	1777460	20.0
(DEL) Alkane: Str...	22.17	6.1	ng/ul	538131	5	21.16	1777460	20.0
Benzo[e]pyrene	23.16	7.7	ng/ul	249458	6	23.34	651171	20.0
(DEL) Alkane: Str...	23.82	25.1	ng/ul	818265	6	23.34	651171	20.0
1-Iodo-2-methylun...	24.53	19.5	ng/ul	634292	6	23.34	651171	20.0