

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002196.D
 Acq On : 03 Aug 2015 14:16
 Operator : TP/UM
 Sample : G3073-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6

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	3.322	104	108	116	rVV	18986	23889	0.73%	0.054%
2	3.504	135	139	147	rBV	15622	22153	0.68%	0.050%
3	4.963	383	387	395	rBV	17165	27028	0.83%	0.061%
4	5.534	478	484	489	rBB3	8678	14739	0.45%	0.033%
5	6.722	681	686	696	rVB	162714	267759	8.23%	0.603%
6	6.869	705	711	717	rBV	117695	172137	5.29%	0.387%
7	7.063	738	744	753	rBB	169838	258117	7.93%	0.581%
8	7.169	759	762	769	rVB2	11164	16003	0.49%	0.036%
9	7.528	814	823	830	rBV	366122	550740	16.93%	1.240%
10	8.063	907	914	923	rBV3	10408	21376	0.66%	0.048%
11	8.257	940	947	954	rBV	192011	305339	9.38%	0.687%
12	8.357	960	964	970	rVB	18525	28262	0.87%	0.064%
13	8.692	1014	1021	1026	rBV	157676	247560	7.61%	0.557%
14	9.410	1137	1143	1151	rBB	144867	234770	7.22%	0.528%
15	9.951	1229	1235	1243	rBV	226056	363418	11.17%	0.818%
16	10.316	1288	1297	1303	rBV	515278	831811	25.56%	1.872%
17	10.363	1303	1305	1312	rVB	23441	33211	1.02%	0.075%
18	10.469	1316	1323	1331	rBV	69674	125051	3.84%	0.281%
19	11.716	1531	1535	1544	rVB3	11376	24943	0.77%	0.056%
20	11.992	1577	1582	1587	rBB	21724	31802	0.98%	0.072%
21	12.216	1615	1620	1625	rBB	11368	17725	0.54%	0.040%
22	13.016	1748	1756	1761	rBV3	11268	22087	0.68%	0.050%
23	13.516	1835	1841	1847	rBV	20002	36025	1.11%	0.081%
24	13.574	1847	1851	1853	rVV2	12507	16365	0.50%	0.037%
25	13.616	1853	1858	1862	rVV	395240	546404	16.79%	1.230%
26	13.663	1862	1866	1872	rVB	208729	287226	8.83%	0.646%
27	13.892	1899	1905	1918	rVB	449767	714663	21.96%	1.608%
28	14.098	1936	1940	1944	rVB2	18808	24728	0.76%	0.056%
29	14.151	1944	1949	1951	rBV4	9018	14558	0.45%	0.033%
30	14.204	1951	1958	1965	rVV2	763412	1152745	35.43%	2.594%
31	14.268	1965	1969	1976	rVV	39675	64113	1.97%	0.144%
32	14.416	1989	1994	1995	rBV	9748	15054	0.46%	0.034%
33	14.451	1995	2000	2007	rVV	107074	167592	5.15%	0.377%
34	14.516	2007	2011	2014	rVV3	16692	24978	0.77%	0.056%

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35	14.604	2018	2026	2031	rVV2	37988	73726	2.27%	0.166%
36	14.680	2035	2039	2043	rVB2	14574	19827	0.61%	0.045%
37	14.821	2059	2063	2069	rVV3	15212	27278	0.84%	0.061%
38	14.880	2069	2073	2079	rVB2	21320	29445	0.90%	0.066%
39	14.998	2087	2093	2096	rBV4	15846	27284	0.84%	0.061%
40	15.057	2096	2103	2107	rVB5	30334	47262	1.45%	0.106%
41	15.204	2122	2128	2133	rVV	595045	820260	25.21%	1.846%
42	15.257	2133	2137	2140	rVV3	30375	41273	1.27%	0.093%
43	15.298	2140	2144	2149	rVB6	10885	17131	0.53%	0.039%
44	15.351	2149	2153	2161	rBV	99025	146783	4.51%	0.330%
45	15.463	2164	2172	2176	rVV8	25254	59599	1.83%	0.134%
46	15.551	2183	2187	2190	rBV3	14022	22160	0.68%	0.050%
47	15.592	2190	2194	2202	rVB	213859	277699	8.53%	0.625%
48	15.668	2204	2207	2209	rBV3	14284	17289	0.53%	0.039%
49	15.921	2246	2250	2251	rBV2	60488	69461	2.13%	0.156%
50	16.121	2279	2284	2288	rBV5	34628	60085	1.85%	0.135%
51	16.239	2300	2304	2306	rBV	34434	54122	1.66%	0.122%
52	16.468	2339	2343	2350	rBV6	71159	147840	4.54%	0.333%
53	16.615	2365	2368	2373	rVB	35537	50672	1.56%	0.114%
54	16.721	2381	2386	2390	rBV2	147047	203594	6.26%	0.458%
55	16.768	2390	2394	2399	rVB2	45306	79045	2.43%	0.178%
56	16.833	2401	2405	2409	rVB2	67191	87592	2.69%	0.197%
57	16.962	2421	2427	2430	rBV	961766	1386879	42.62%	3.121%
58	17.004	2430	2434	2438	rVV	611790	825837	25.38%	1.859%
59	17.057	2438	2443	2447	rVV	619211	894655	27.50%	2.014%
60	17.092	2447	2449	2453	rVV	178953	197339	6.06%	0.444%
61	17.133	2453	2456	2465	rVB4	98202	163023	5.01%	0.367%
62	17.368	2493	2496	2500	rVB	83580	98918	3.04%	0.223%
63	17.562	2522	2529	2533	rVB2	226978	439507	13.51%	0.989%
64	17.674	2545	2548	2554	rVB4	54490	89688	2.76%	0.202%
65	17.809	2567	2571	2572	rBV	73161	93083	2.86%	0.210%
66	17.833	2573	2575	2576	rVV	112432	109223	3.36%	0.246%
67	17.868	2576	2581	2588	rVV3	525990	987967	30.36%	2.224%
68	17.927	2588	2591	2594	rVV	125115	163573	5.03%	0.368%
69	17.962	2594	2597	2602	rVV	88522	138993	4.27%	0.313%
70	18.027	2603	2608	2613	rVV2	625433	927676	28.51%	2.088%
71	18.086	2616	2618	2622	rVV	178731	212253	6.52%	0.478%

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72	18.133	2622	2626	2632	rVV2	89037	161026	4.95%	0.362%
73	18.315	2653	2657	2660	rBV	263592	366937	11.28%	0.826%
74	18.492	2684	2687	2691	rVB	123385	146403	4.50%	0.330%
75	18.886	2751	2754	2763	rVB3	539958	911412	28.01%	2.051%
76	19.033	2774	2779	2784	rBV	2083833	2870916	88.23%	6.462%
77	19.174	2798	2803	2808	rVB3	796397	1211690	37.24%	2.727%
78	19.239	2810	2814	2817	rBV2	251342	355916	10.94%	0.801%
79	19.368	2832	2836	2839	rBV3	894678	1453895	44.68%	3.272%
80	19.403	2839	2842	2846	rVB	1472055	1781063	54.74%	4.009%
81	19.515	2858	2861	2865	rVB	264354	291872	8.97%	0.657%
82	19.627	2876	2880	2887	rVB2	623090	831294	25.55%	1.871%
83	19.886	2920	2924	2930	rVV2	575455	860611	26.45%	1.937%
84	19.945	2930	2934	2939	rVB	415694	494812	15.21%	1.114%
85	20.168	2968	2972	2975	rBV2	557553	648879	19.94%	1.460%
86	20.309	2993	2996	2997	rBV	226363	242439	7.45%	0.546%
87	20.486	3024	3026	3038	rVB4	513632	690892	21.23%	1.555%
88	21.080	3124	3127	3132	rVB	806318	899524	27.65%	2.025%
89	21.174	3137	3143	3147	rVV2	1435782	3253814	100.00%	7.323%
90	21.209	3147	3149	3157	rVB	928246	1108499	34.07%	2.495%
91	21.321	3165	3168	3176	rVB3	343273	444764	13.67%	1.001%
92	21.739	3237	3239	3247	rVB3	595657	954021	29.32%	2.147%
93	21.903	3264	3267	3271	rBV	291625	417616	12.83%	0.940%
94	22.186	3311	3315	3321	rVB	837703	1167475	35.88%	2.628%
95	22.674	3394	3398	3401	rBV	779487	1158388	35.60%	2.607%
96	22.715	3402	3405	3409	rVB	445839	750904	23.08%	1.690%
97	23.221	3487	3491	3496	rVB2	936974	1377563	42.34%	3.100%
98	23.368	3511	3516	3520	rVB	597663	959641	29.49%	2.160%
99	23.838	3591	3596	3602	rVB	820943	1507655	46.34%	3.393%
100	24.556	3713	3718	3732	rVB	553558	1298452	39.91%	2.922%

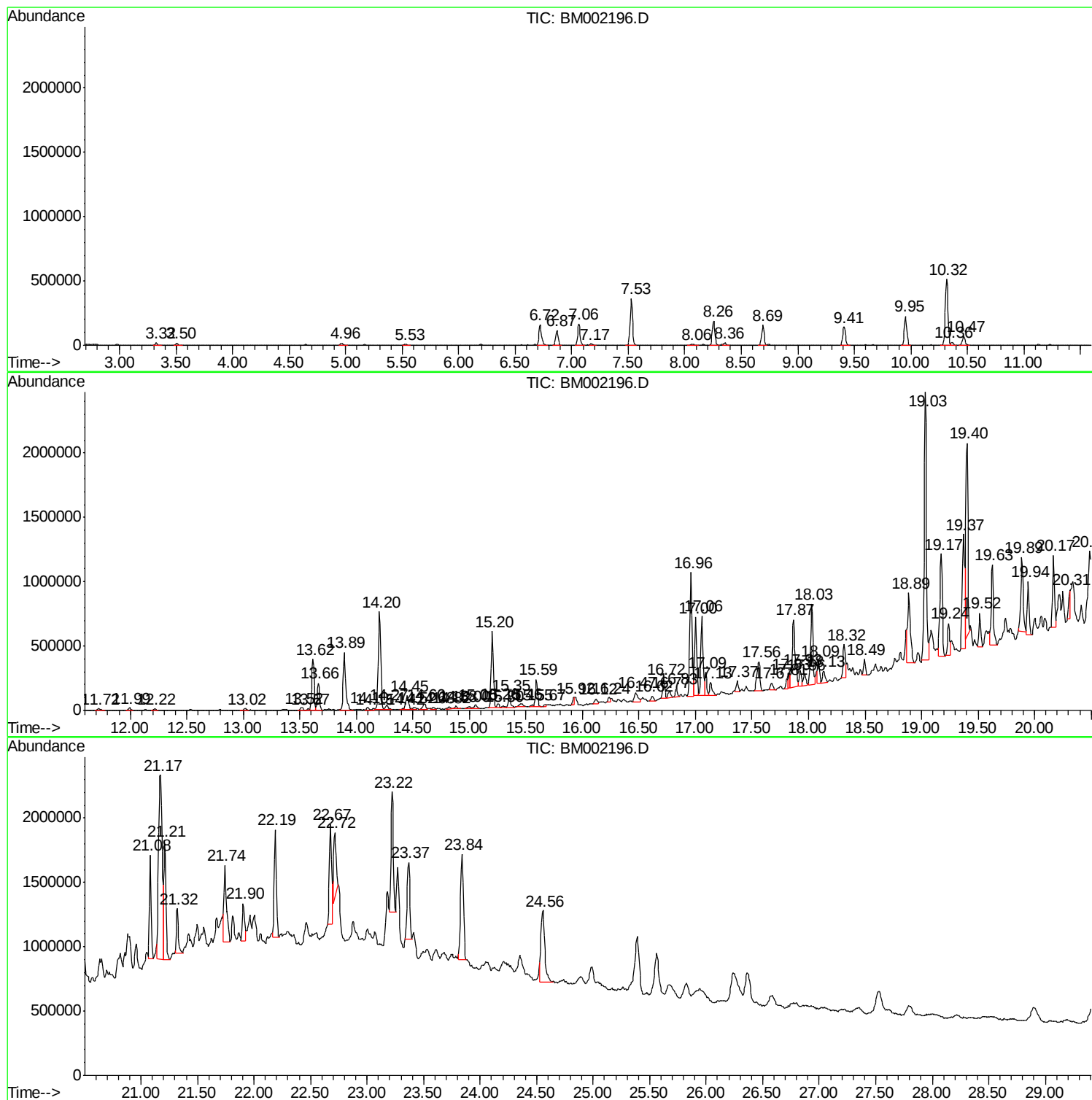
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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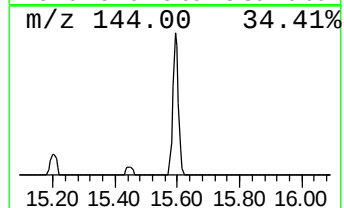
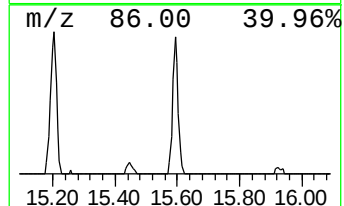
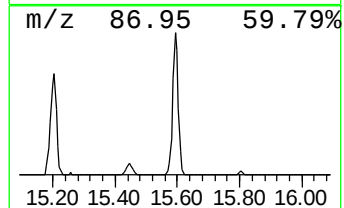
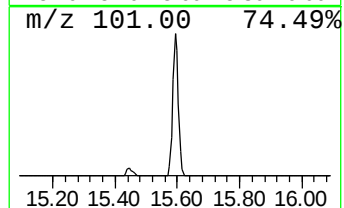
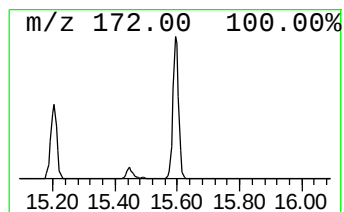
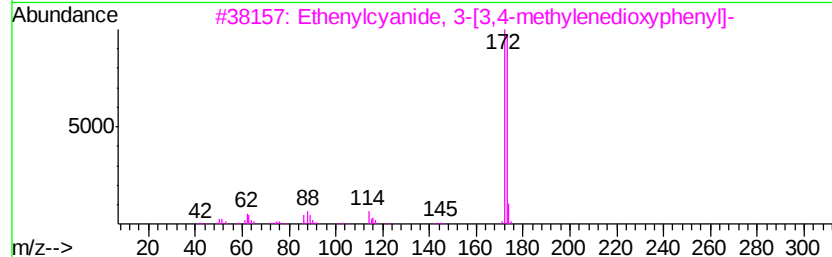
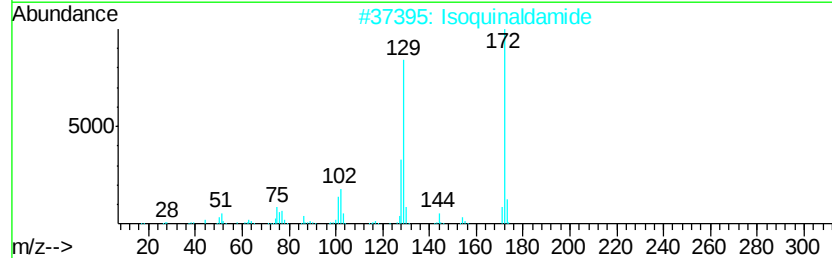
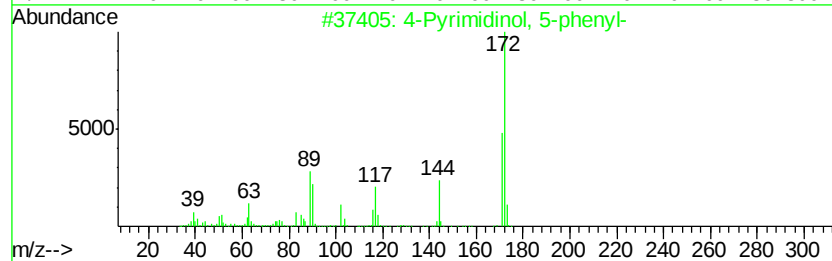
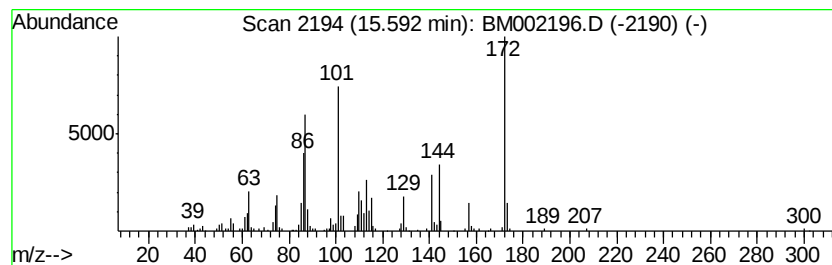
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.59	4.00 ng/ul	277699	Phenanthrene-d10	16.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	16
2	Isoquinaldamide	172	C10H8N2O	001436-44-8	14
3	Ethenylcyanide, 3-[3,4-methylene...	173	C10H7N02	1000129-96-7	12
4	Silane, ethenylmethoxydimethyl-	116	C5H12OSi	016546-47-7	10
5	2-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	064435-20-7	10



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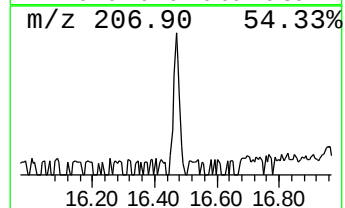
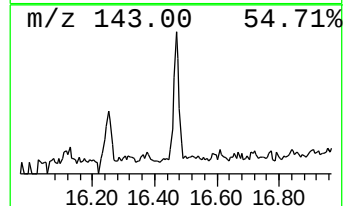
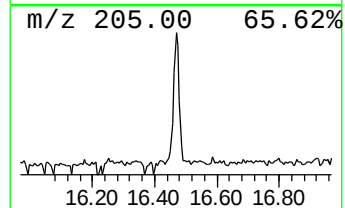
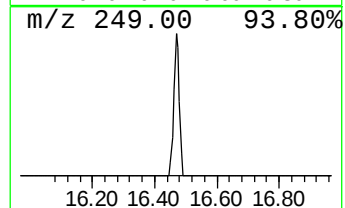
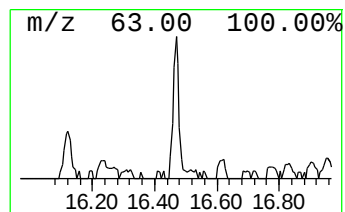
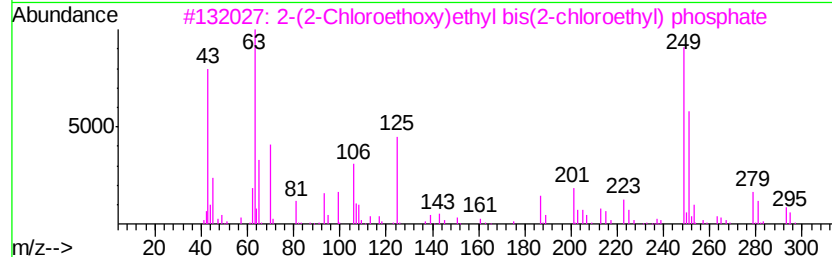
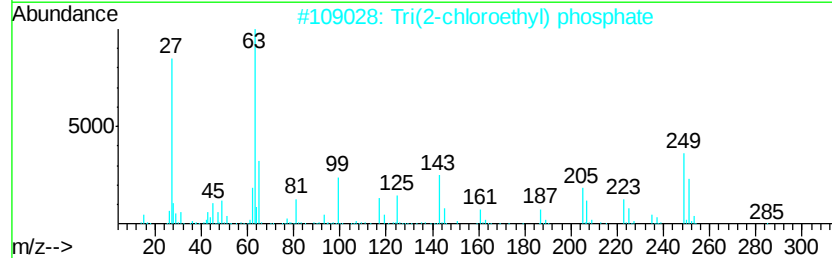
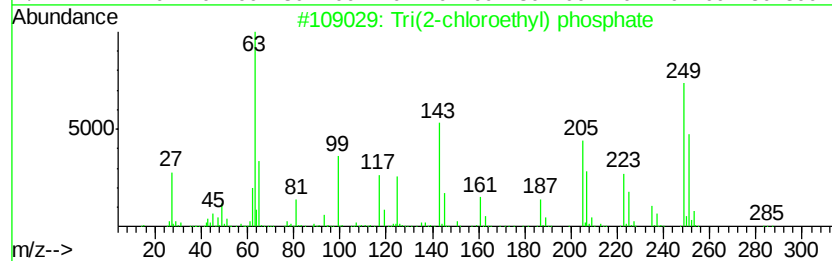
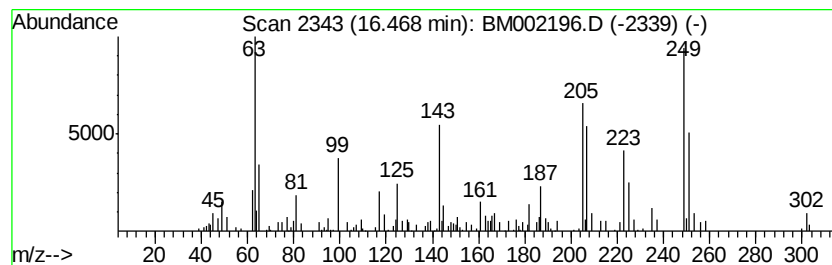
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Tri(2-chloroethyl) phosphate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.47	2.13 ng/ul	147840	Phenanthrene-d10	16.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	87
2		Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	72
3		2-(2-Chloroethoxy)ethyl bis(2-ch...	328	C8H16Cl3O5P	137888-36-9	53
4		Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	43
5		Ethanol, 2-chloro-, phosphite (3:1)	268	C6H12Cl3O3P	000140-08-9	37



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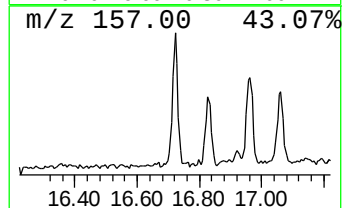
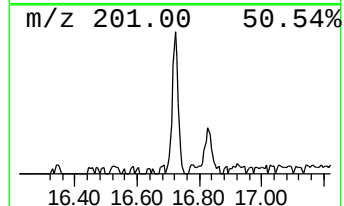
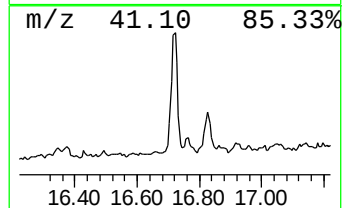
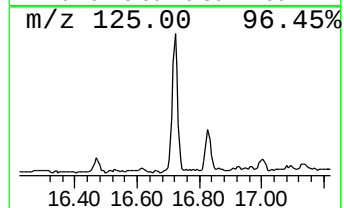
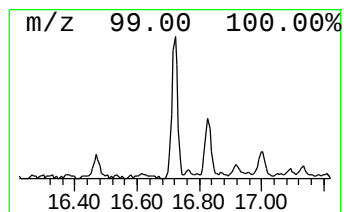
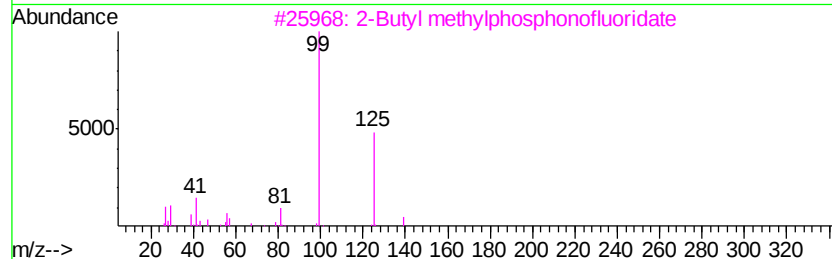
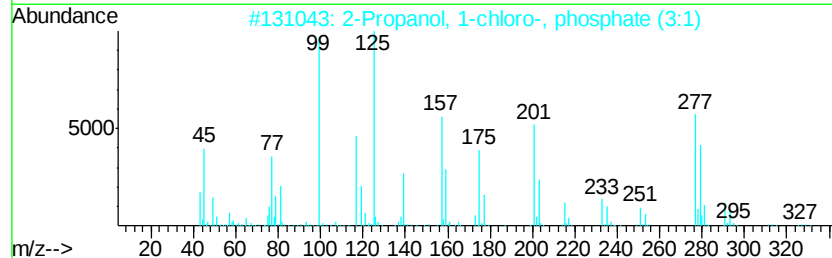
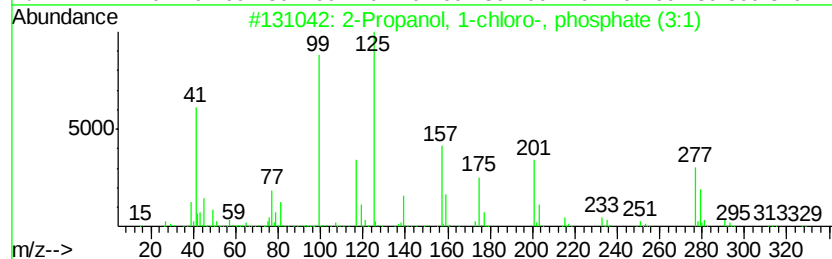
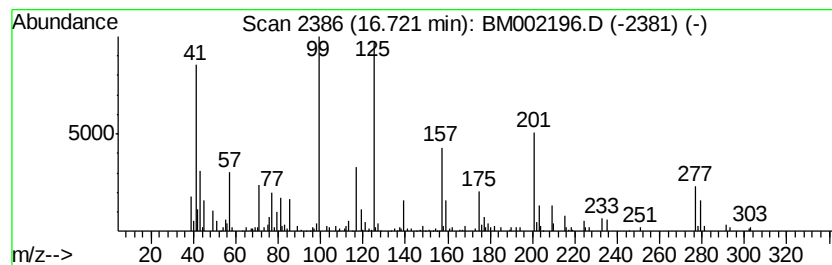
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Peak Number 3 2-Propanol, 1-chloro-, phos... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.94 ng/ul	203594	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	81
2		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	58
3		2-Butyl methylphosphonofluoridate	154	C5H12F02P	000352-52-3	32
4		Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	32
5		Triisopropylphosphate	224	C9H21O4P	000513-02-0	23



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

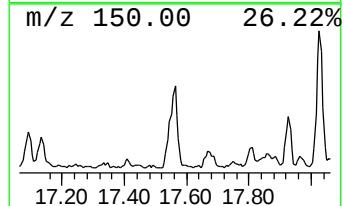
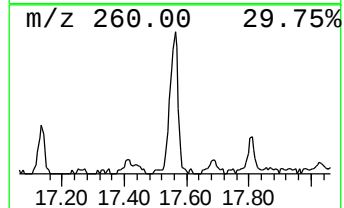
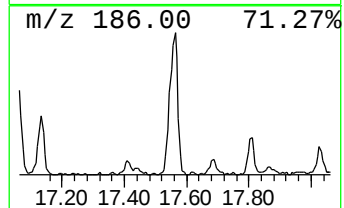
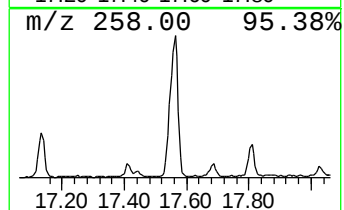
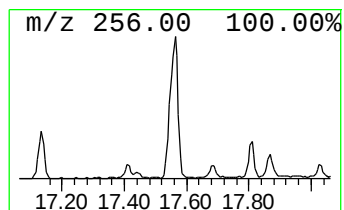
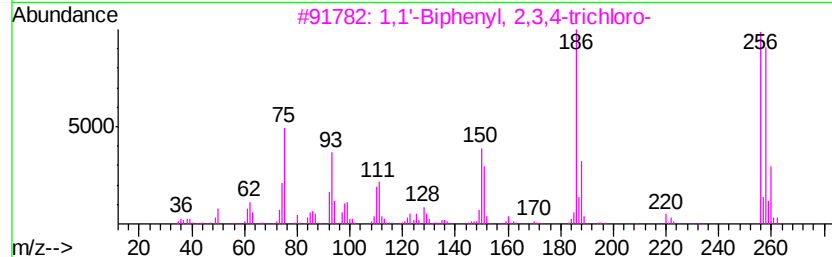
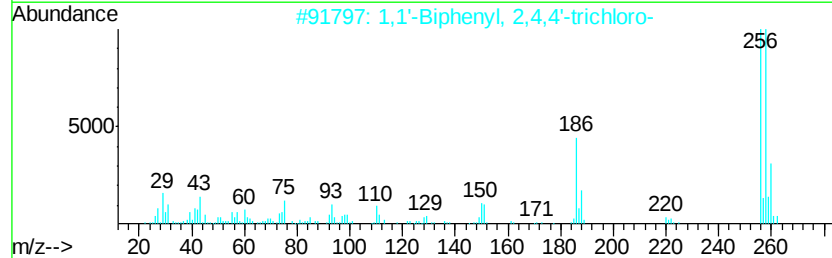
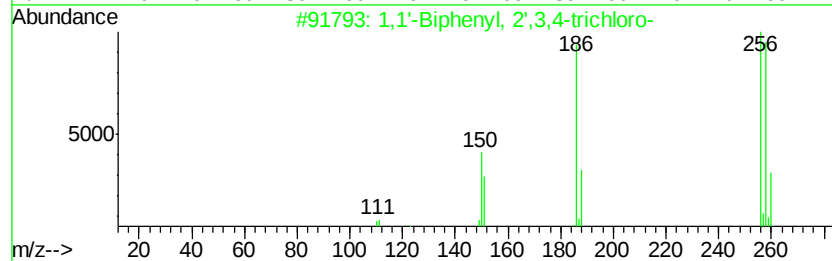
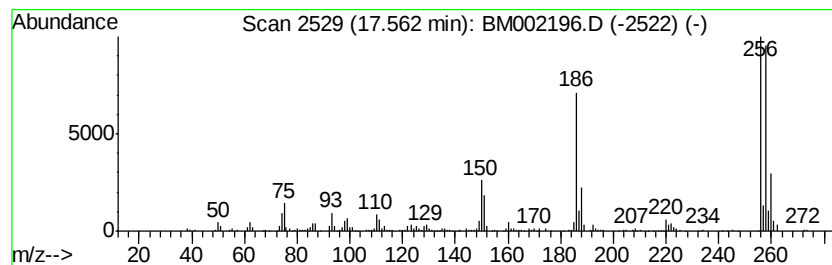
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	6.34 ng/ul	439507	Phenanthrene-d10	16.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
2			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
3			1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	96
4			1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	95
5			1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

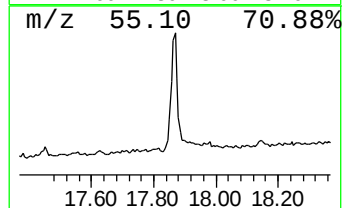
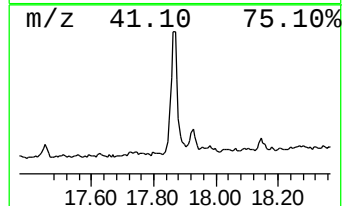
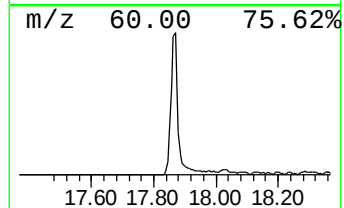
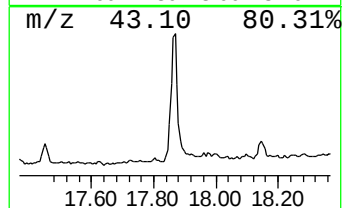
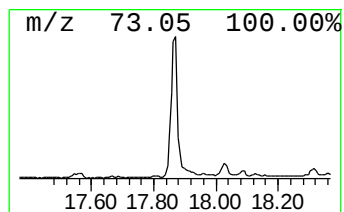
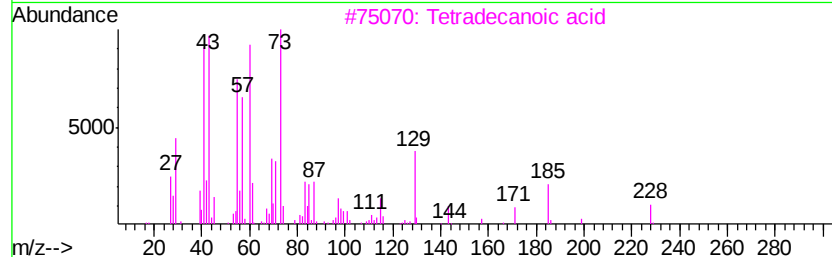
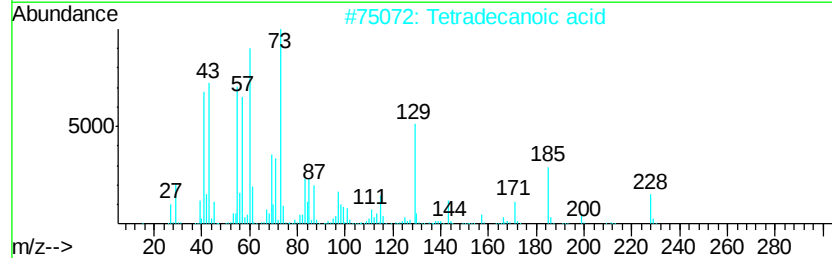
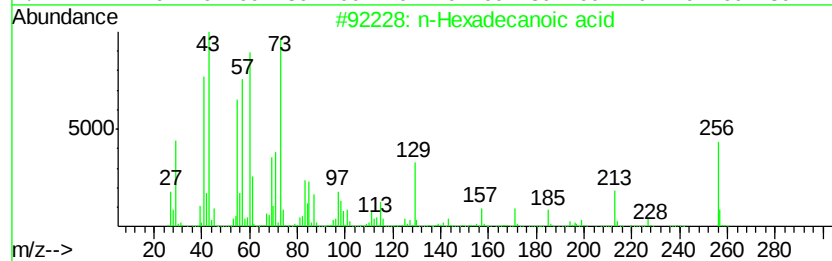
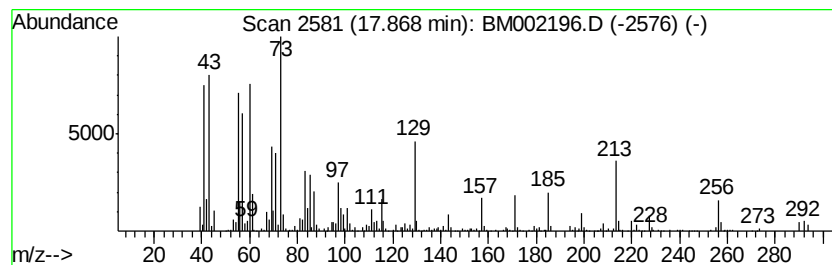
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	14.25 ng/ul	987967	Phenanthrene-d10	16.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

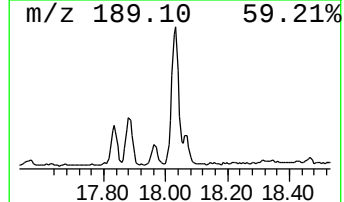
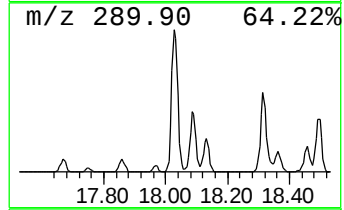
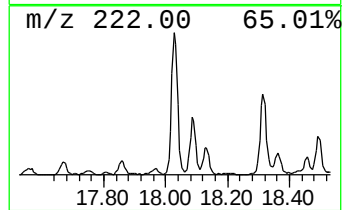
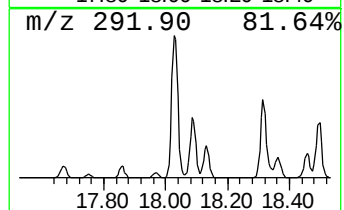
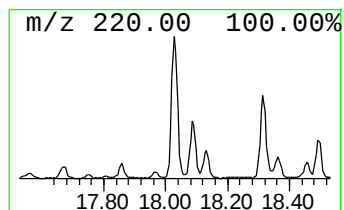
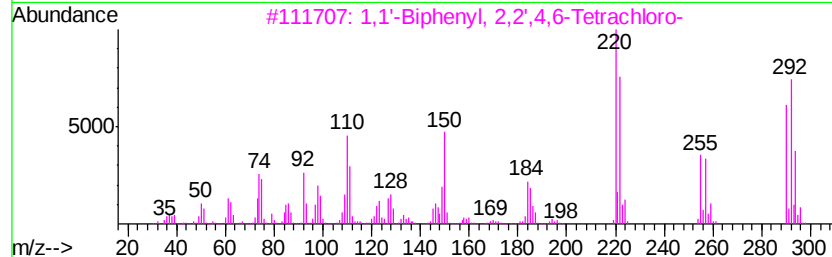
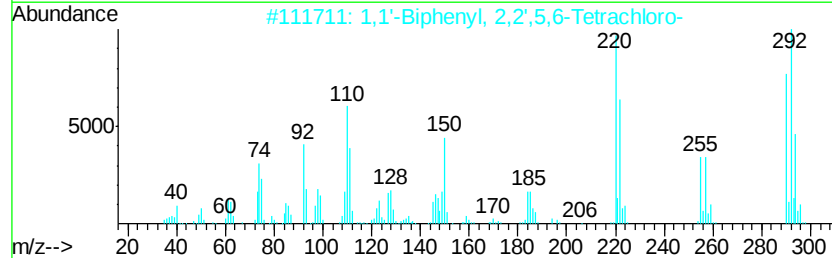
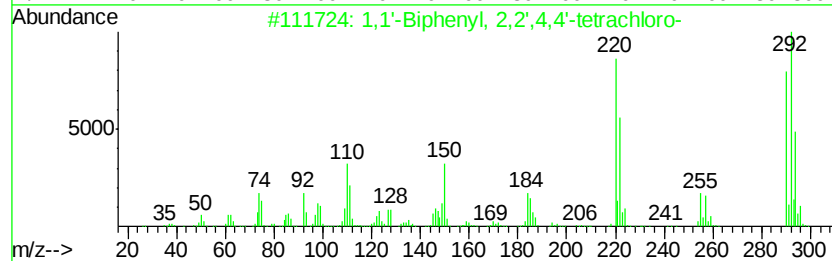
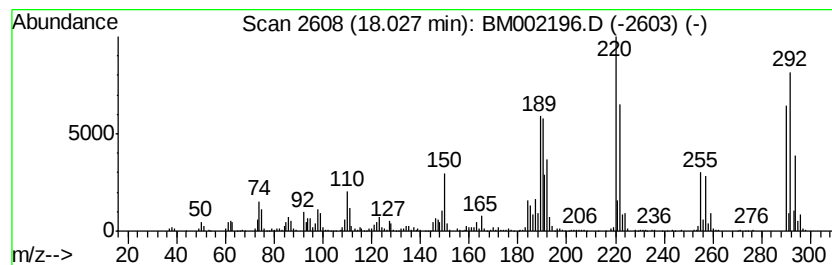
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	13.38 ng/ul	927676	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4		1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	98
5		1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	98



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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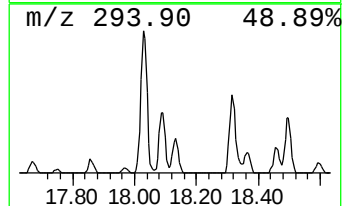
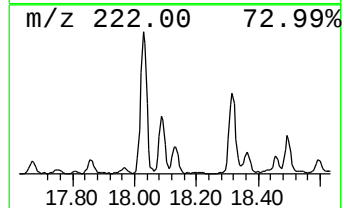
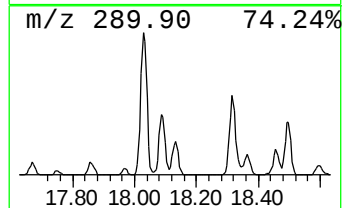
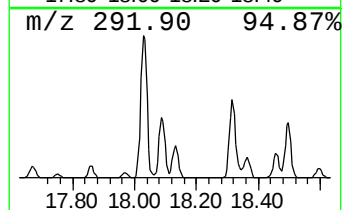
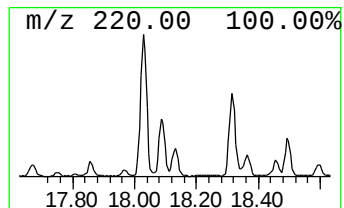
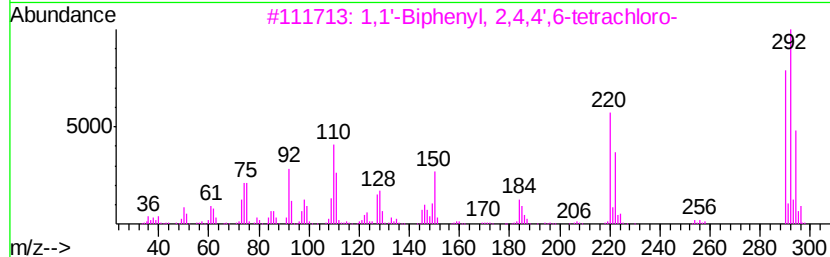
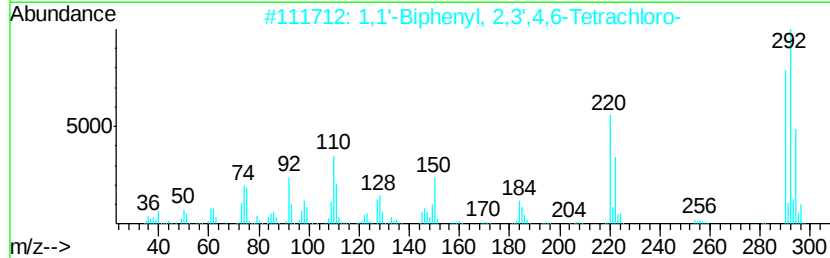
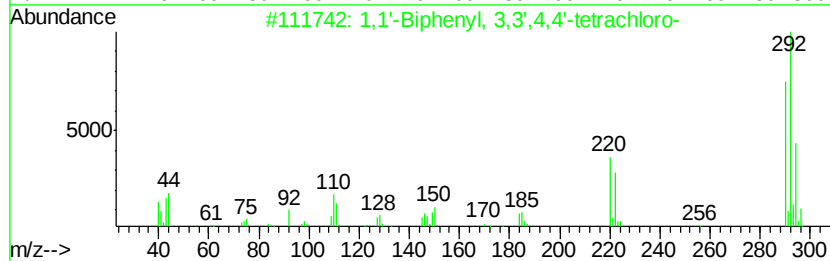
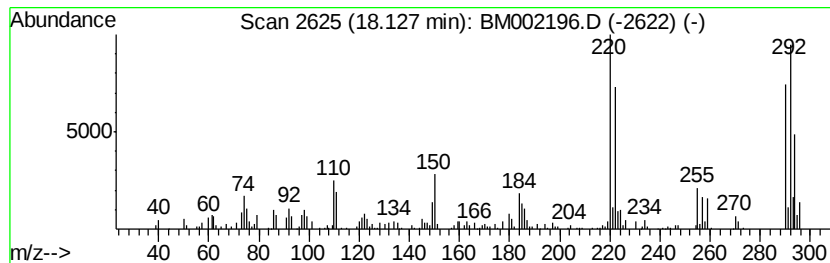
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.32 ng/ul	161026	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
2		1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	96
3		1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	96
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95
5		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

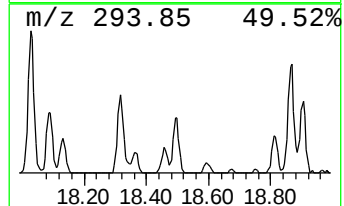
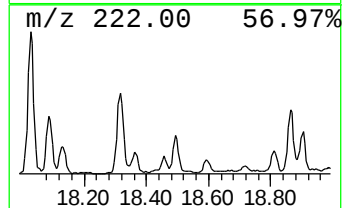
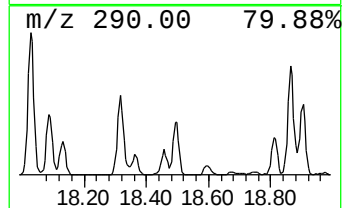
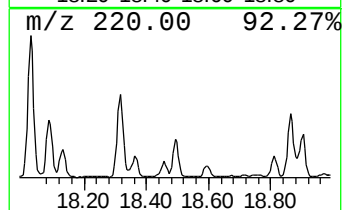
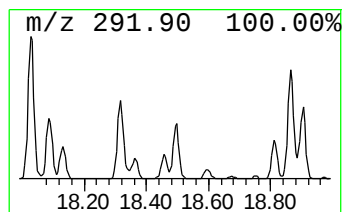
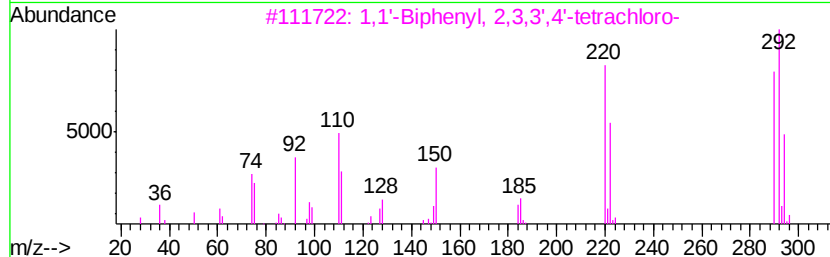
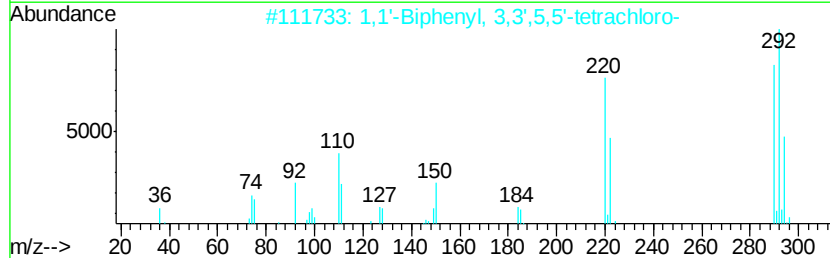
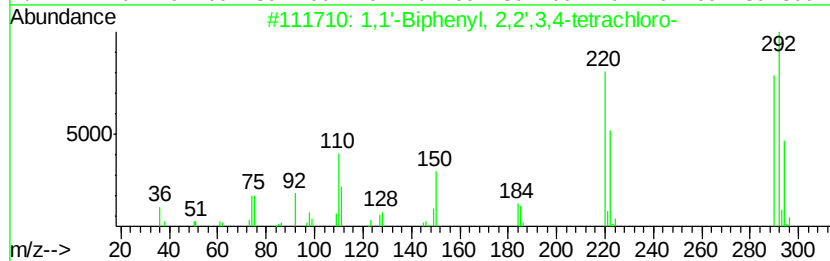
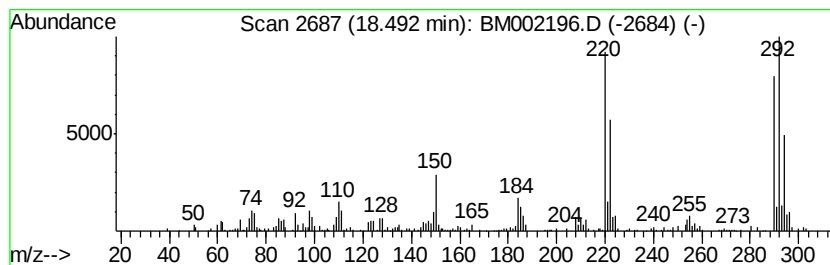
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.49	2.11 ng/ul	146403	Phenanthrene-d10	16.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl,	3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
3	1,1'-Biphenyl,	2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	98
4	1,1'-Biphenyl,	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98
5	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

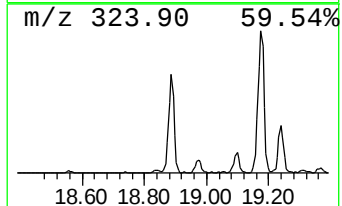
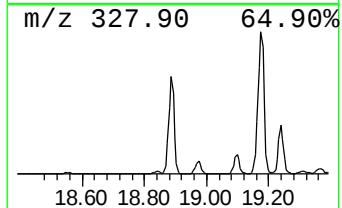
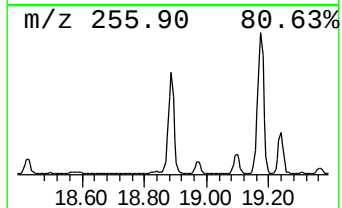
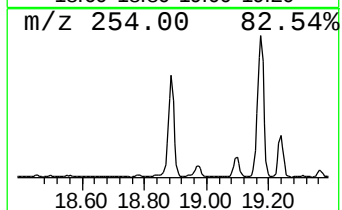
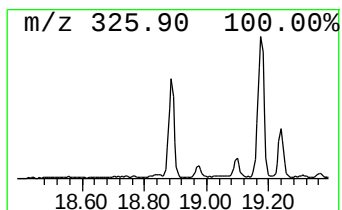
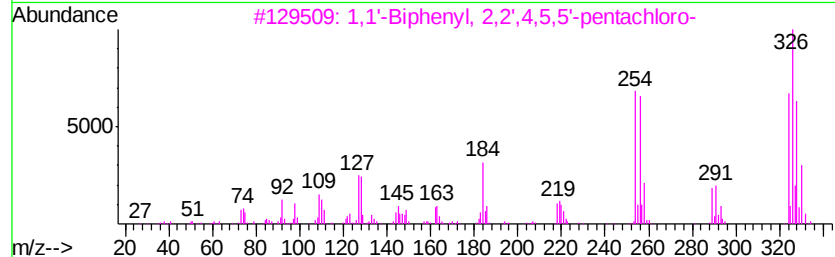
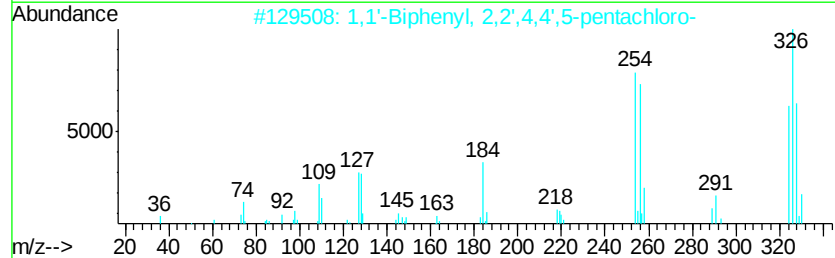
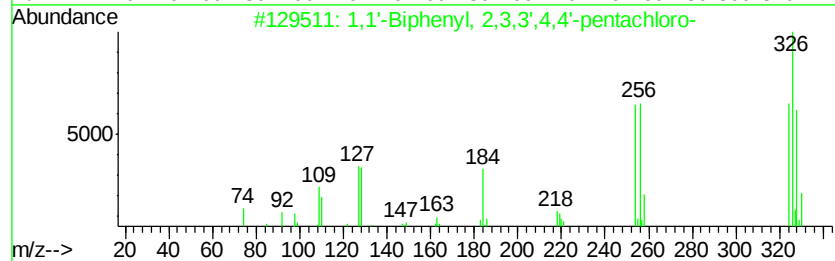
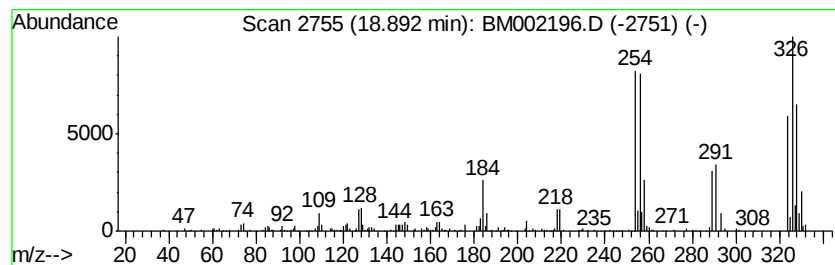
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.89	13.14 ng/ul	911412	Phenanthrene-d10	16.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
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Misc :
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ClientSampled :
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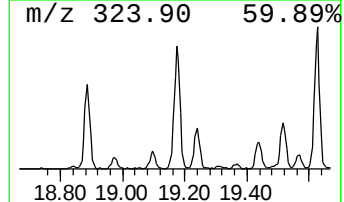
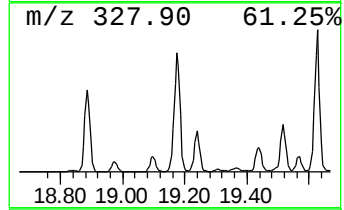
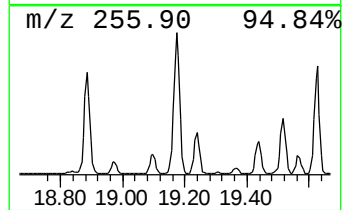
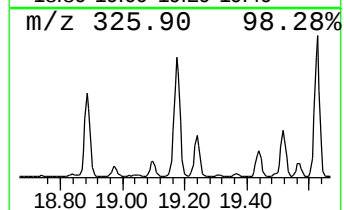
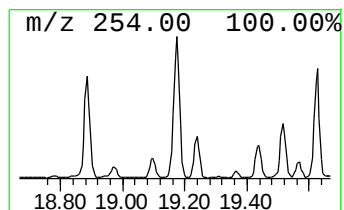
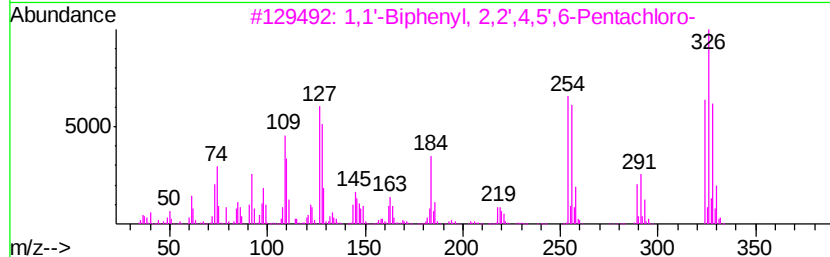
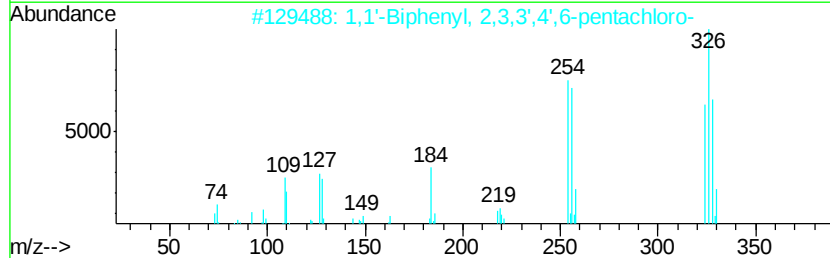
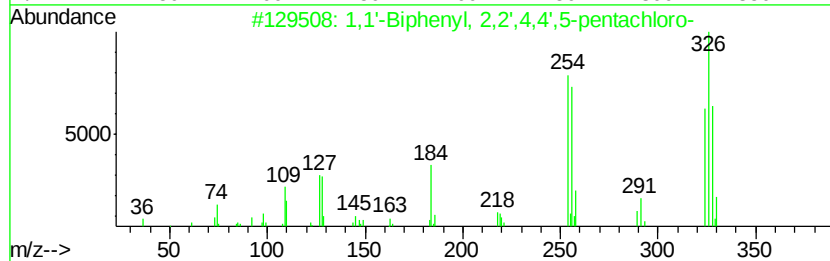
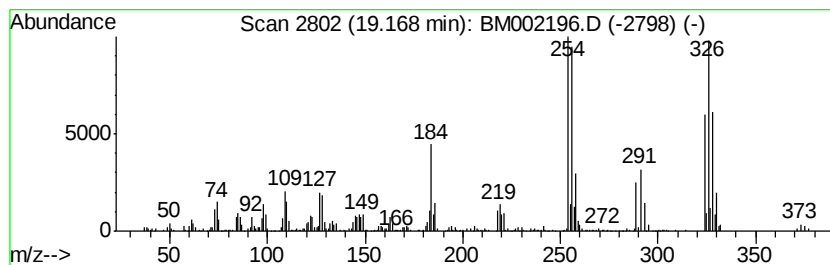
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	7.45 ng/ul	1211690	Chrysene-d12	21.17

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',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	97
4		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5		1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

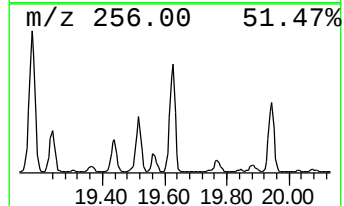
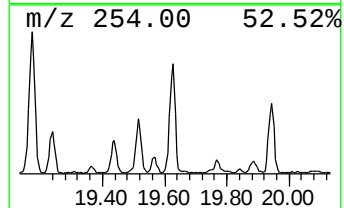
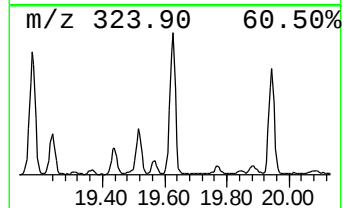
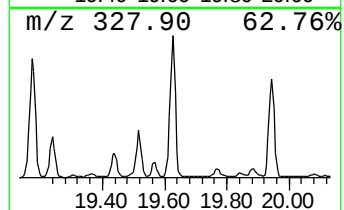
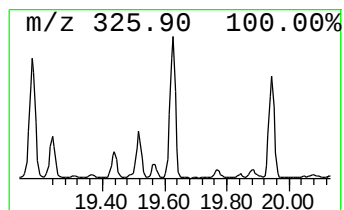
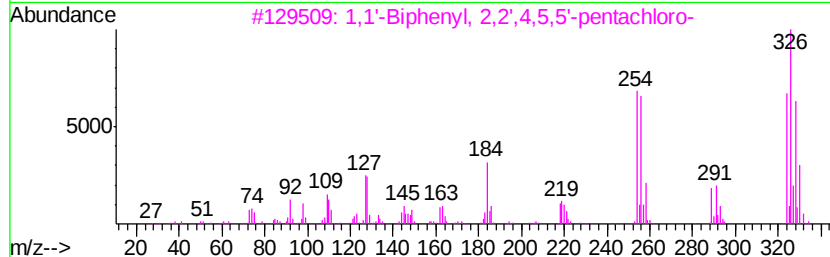
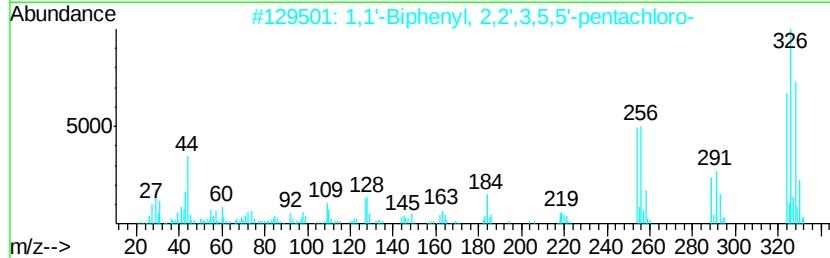
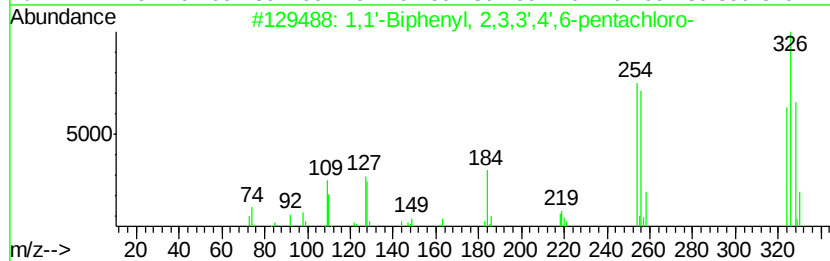
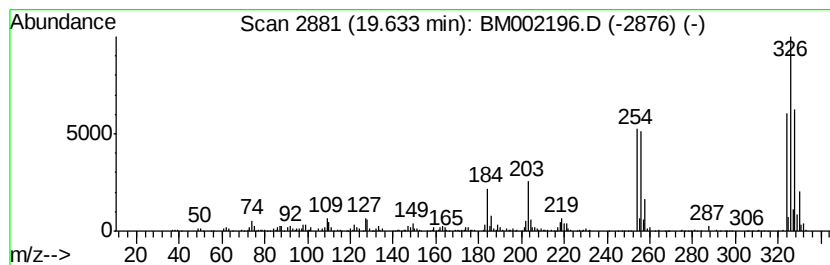
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	5.11 ng/ul	831294	Chrysene-d12	21.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99		
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	97		
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	97		
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96		
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95		



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

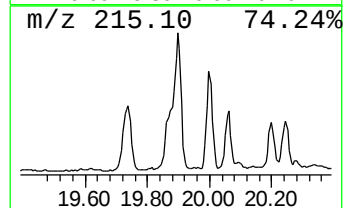
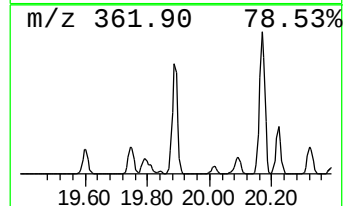
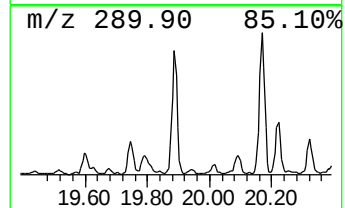
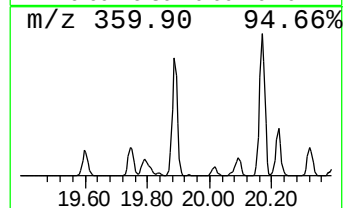
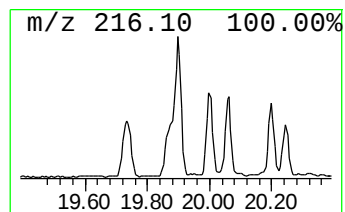
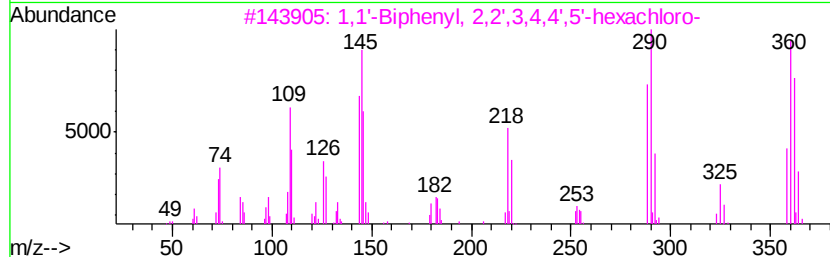
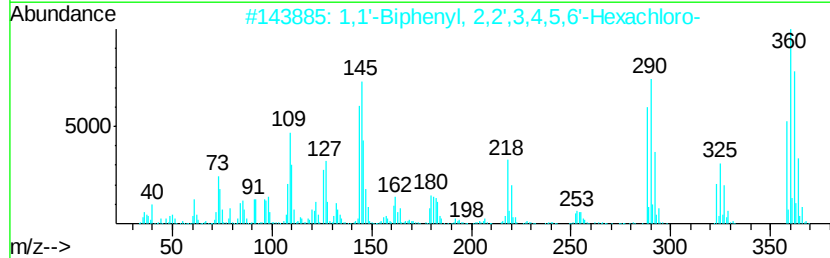
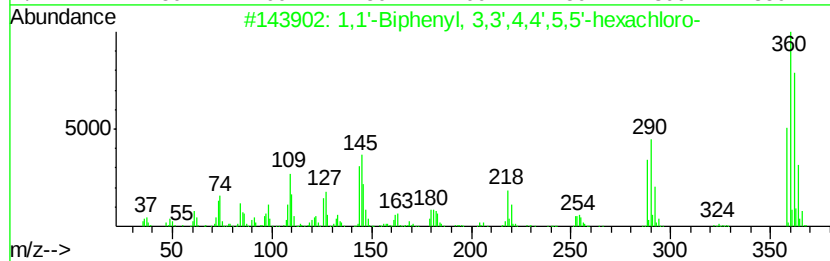
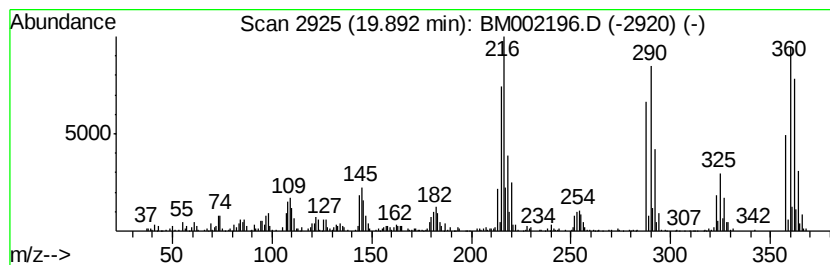
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	5.29 ng/ul	860611	Chrysene-d12	21.17

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',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	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',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

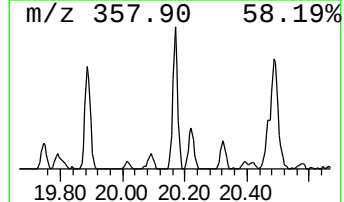
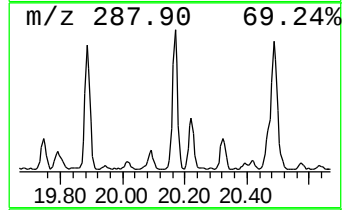
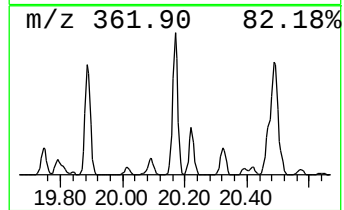
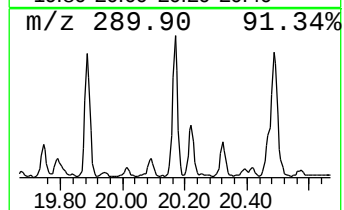
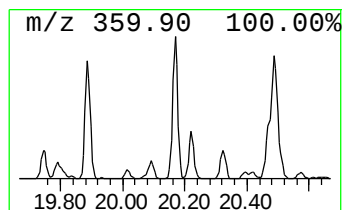
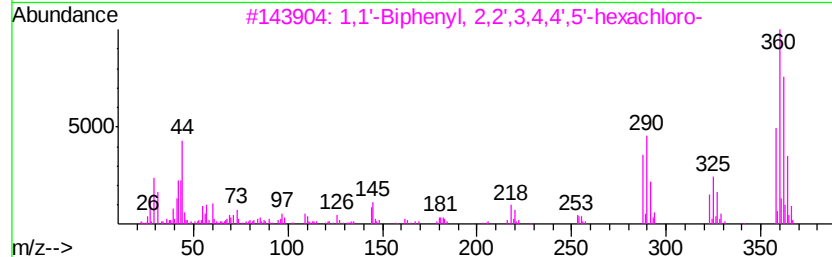
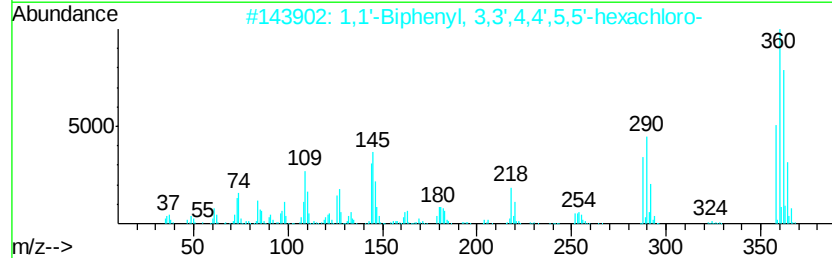
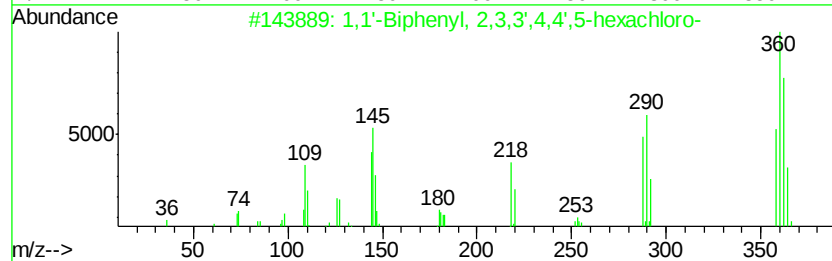
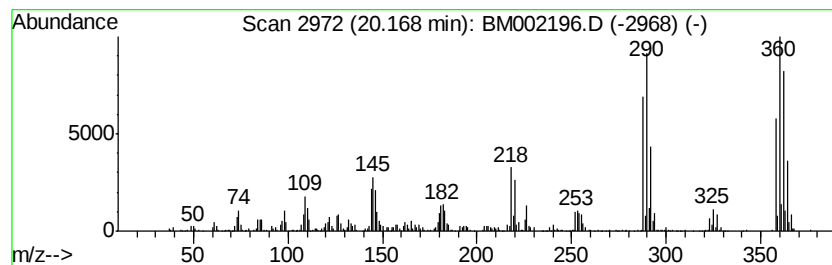
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.99 ng/ul	648879	Chrysene-d12	21.17

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	99
3		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98
4		1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
5		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

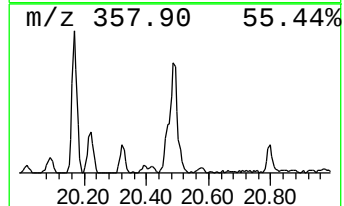
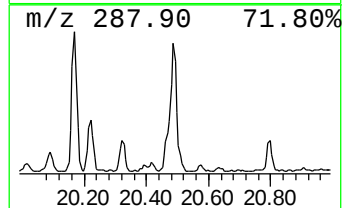
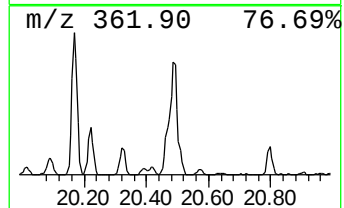
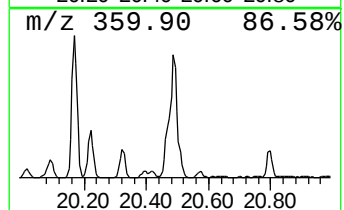
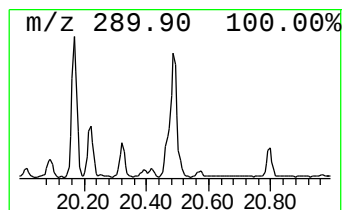
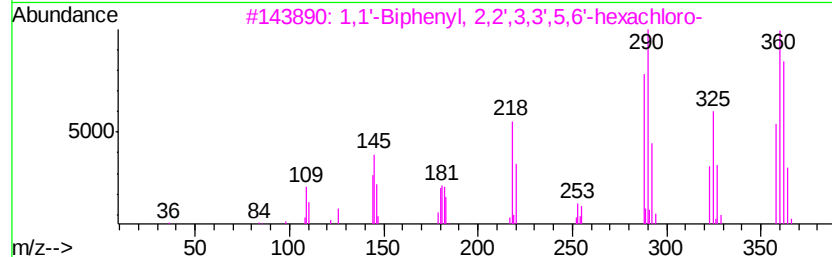
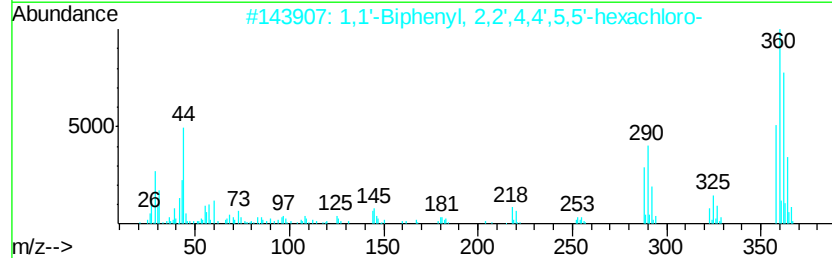
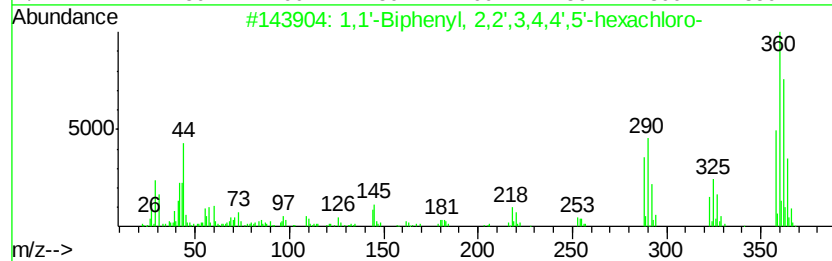
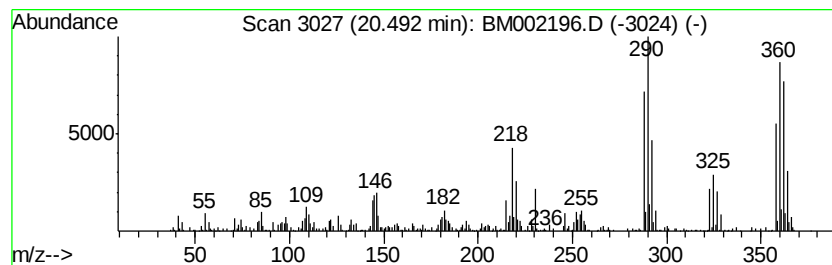
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	4.25 ng/ul	690892	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	96
2		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
3		1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	94
4		1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	94
5		1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
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Acq On : 03 Aug 2015 14:16
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Misc :
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Instrument :
BNA_M
ClientSampleId :
C02L6

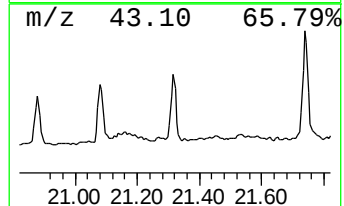
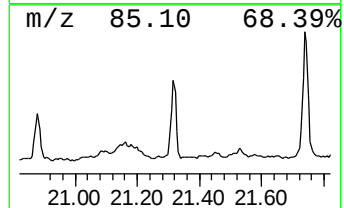
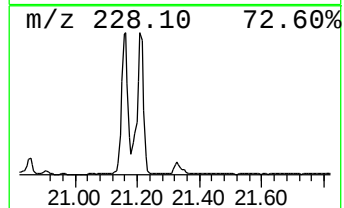
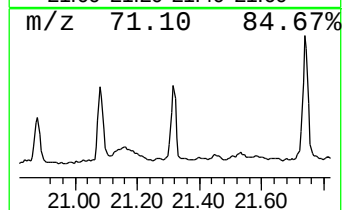
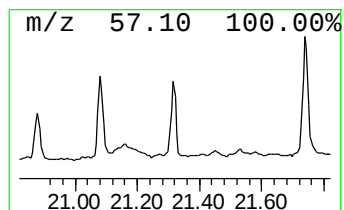
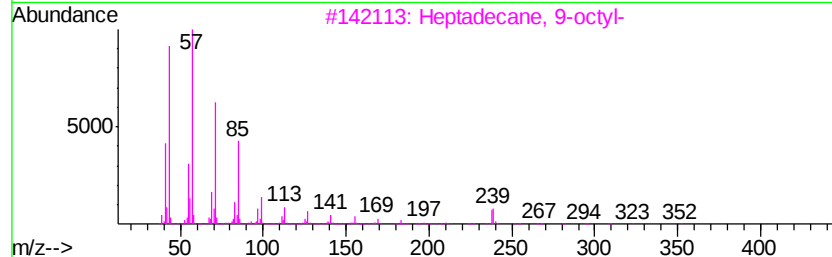
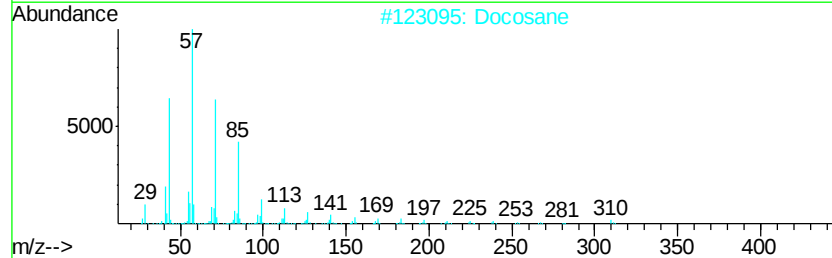
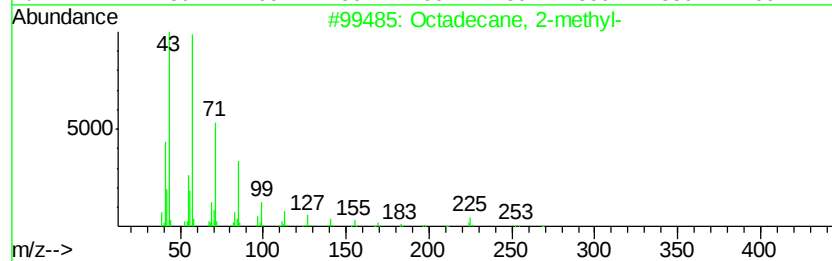
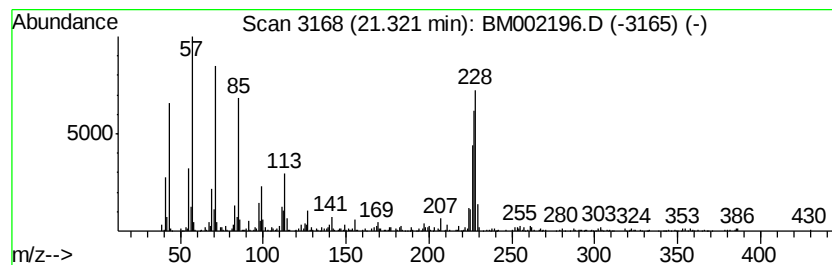
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.73 ng/ul	444764	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	64
2		Docosane	310	C22H46	000629-97-0	64
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	56
4		triacontane	422	C30H62	000638-68-6	45
5		Nonacosane	408	C29H60	000630-03-5	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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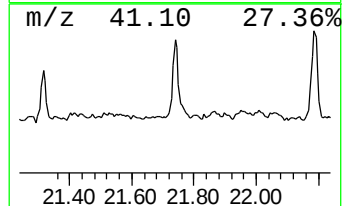
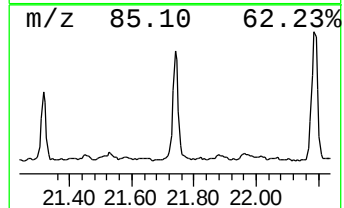
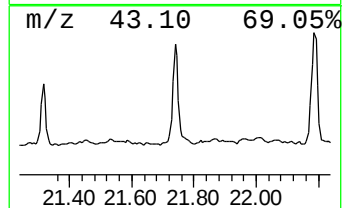
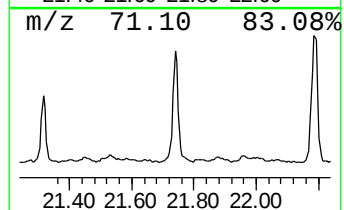
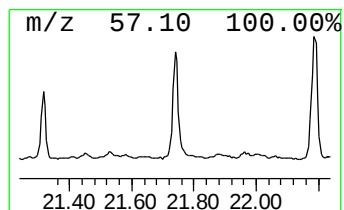
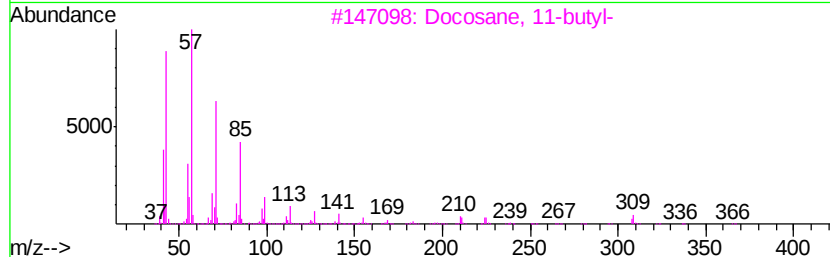
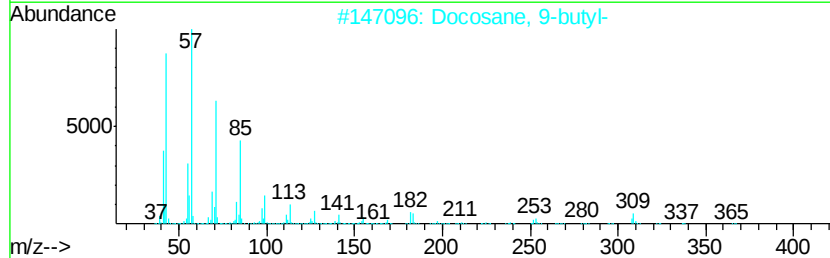
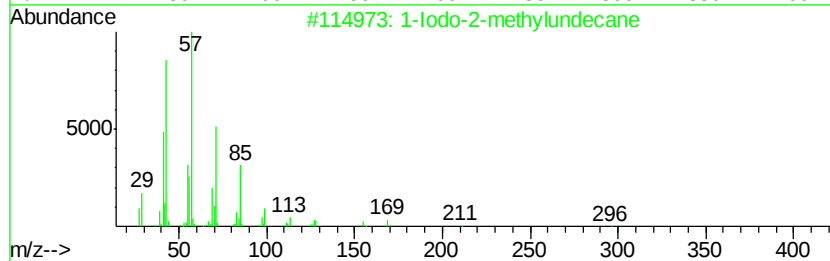
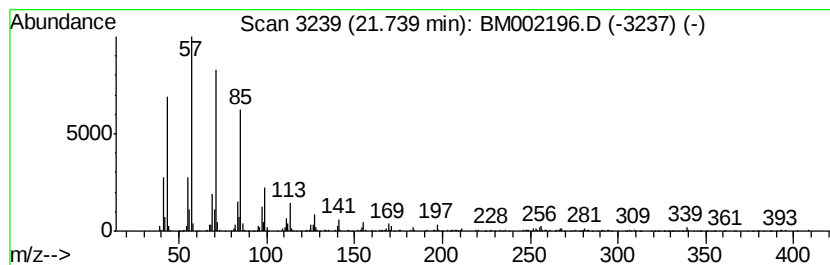
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 1-Iodo-2-methylundecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	5.86 ng/ul	954021	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	94
2		Docosane, 9-butyl-	366	C26H54	055282-14-9	93
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

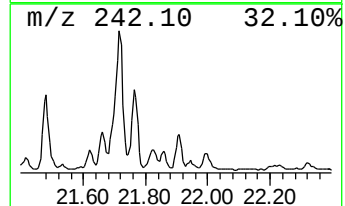
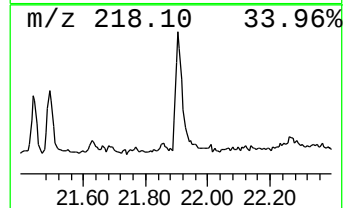
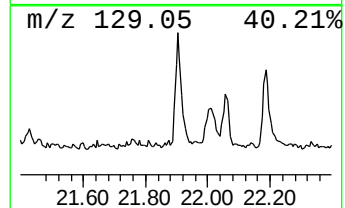
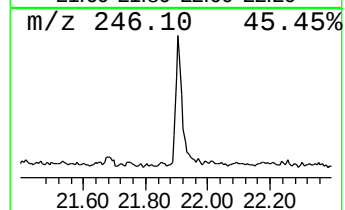
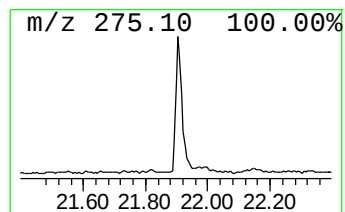
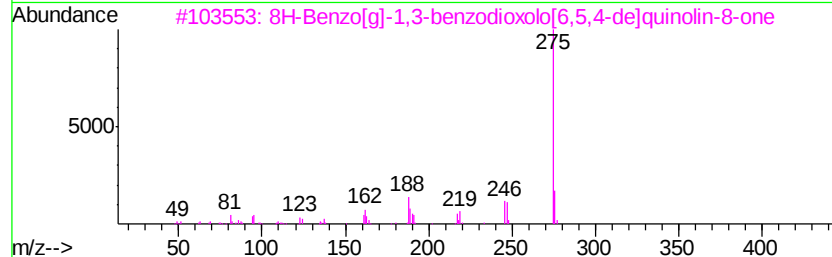
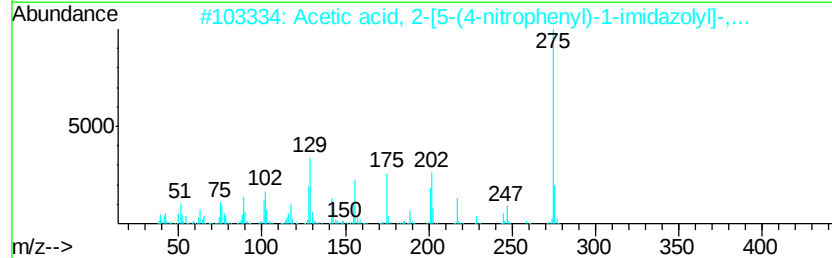
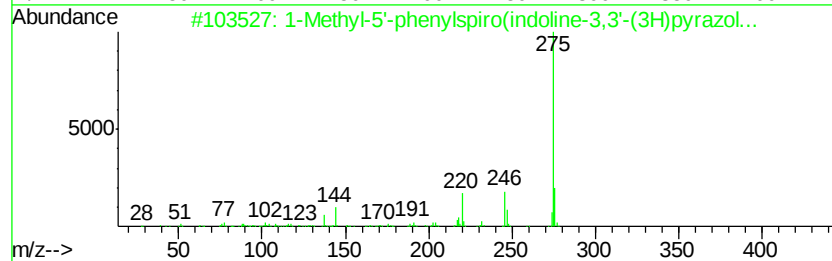
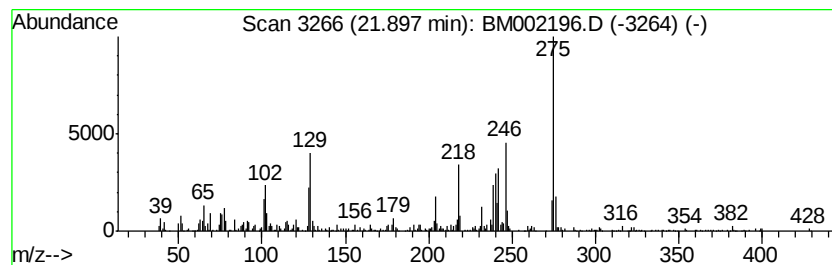
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	2.57 ng/ul	417616	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-5'-phenylspiro(indoline...	275	C17H13N3O	015970-21-5	41
2		Acetic acid, 2-[5-(4-nitrophenyl)...	275	C13H13N3O4	351064-45-4	41
3		8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9N3O3	000475-75-2	30
4		1,4-Benzenediamine, N,N-dimethyl...	275	C13H13N3O2S	126893-36-5	22
5		1H-Naphtho[2,1-b]pyran, 3-etheny...	290	C20H34O	000596-84-9	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

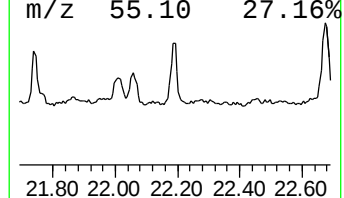
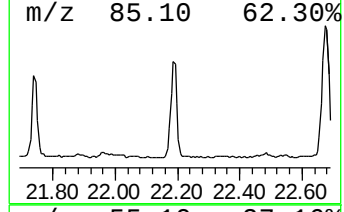
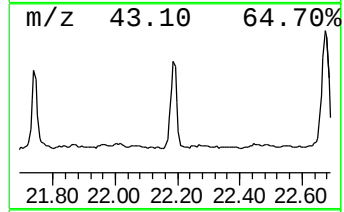
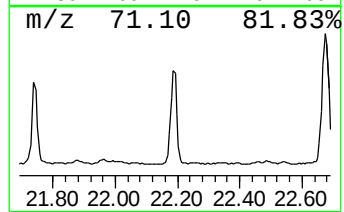
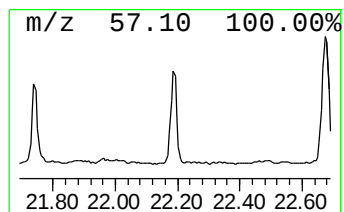
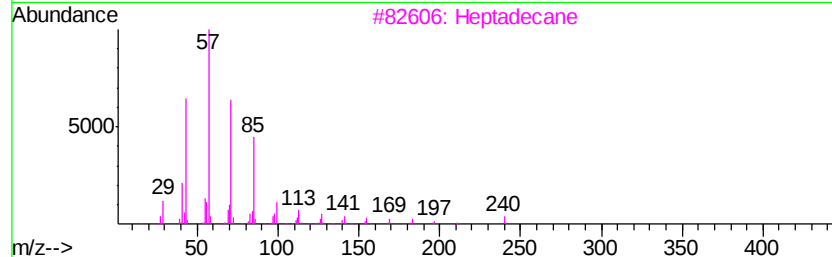
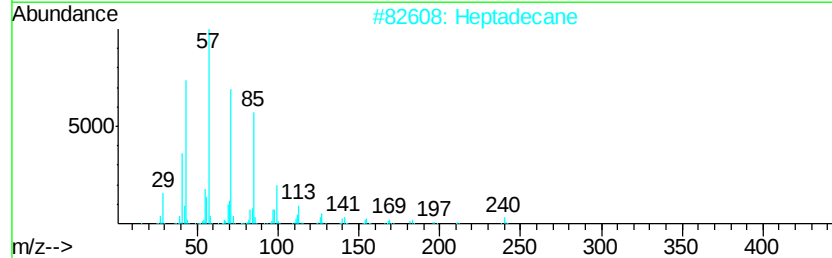
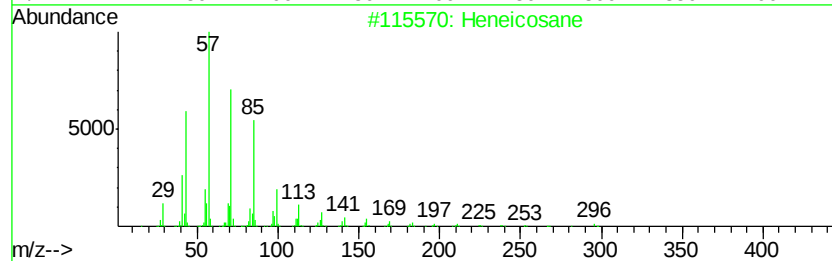
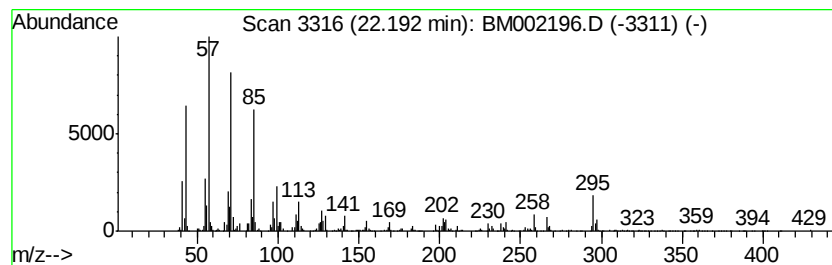
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.19	7.18 ng/ul	1167480	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Heptadecane	240	C17H36	000629-78-7	95
3		Heptadecane	240	C17H36	000629-78-7	93
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

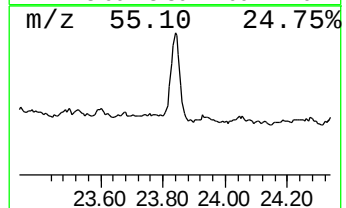
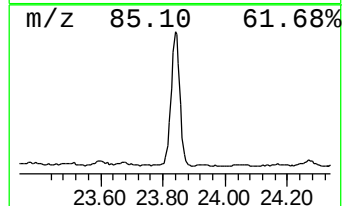
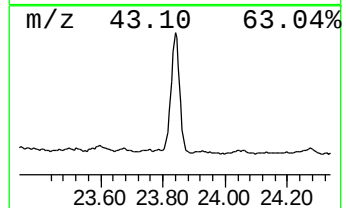
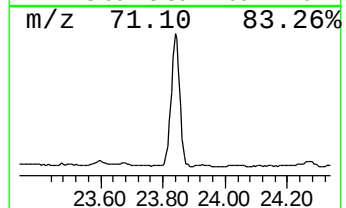
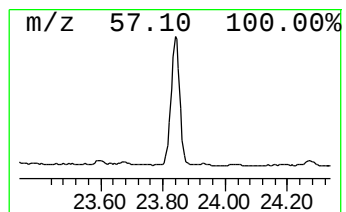
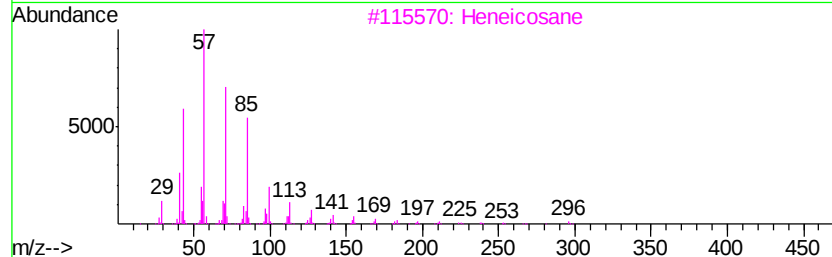
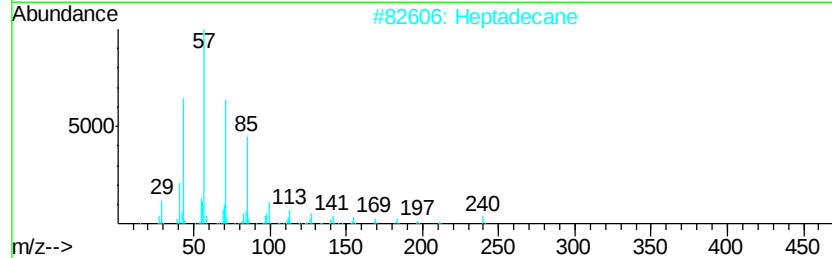
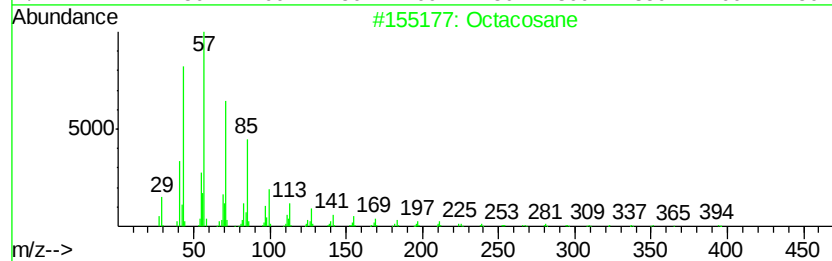
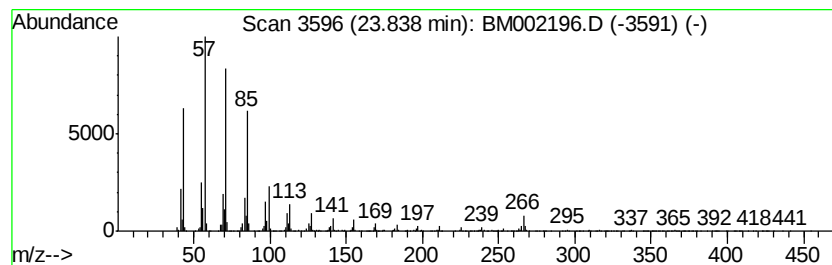
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.84	31.42 ng/ul	1507660	Perylene-d12	23.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	95
2		Heptadecane	240	C17H36	000629-78-7	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5		triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002196.D
Acq On : 03 Aug 2015 14:16
Operator : TP/UM
Sample : G3073-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02L6

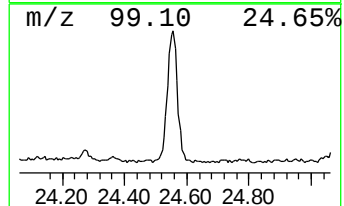
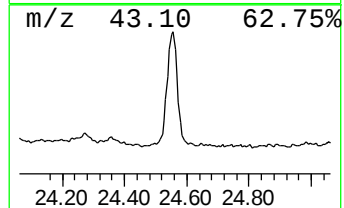
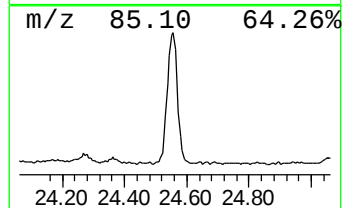
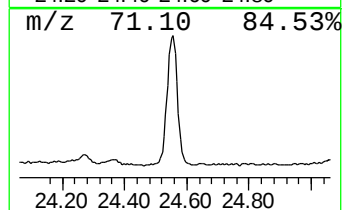
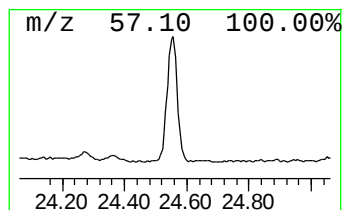
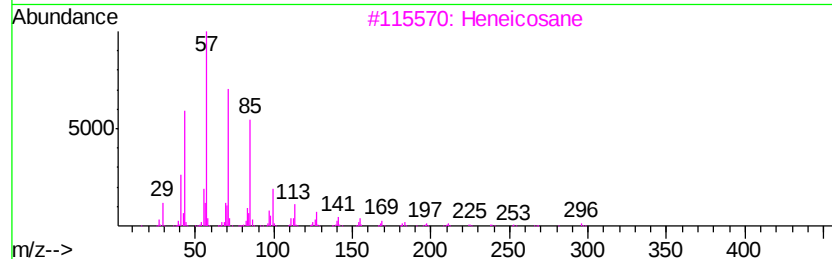
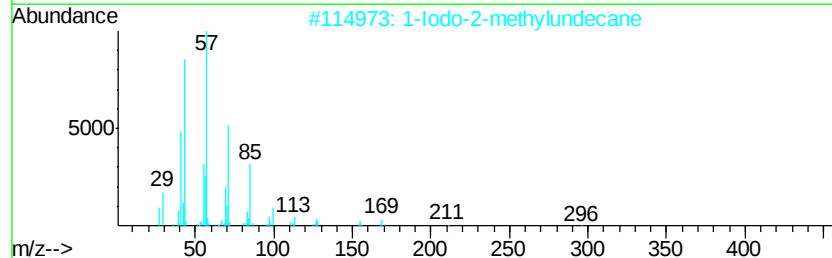
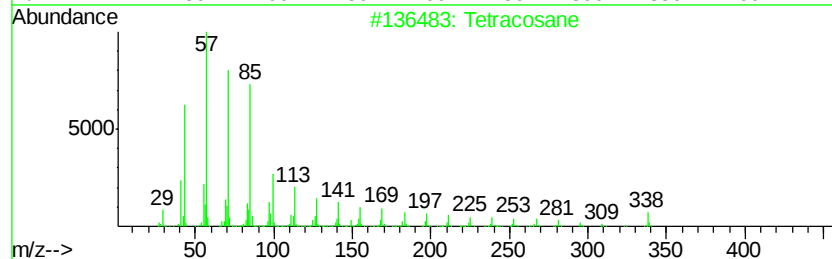
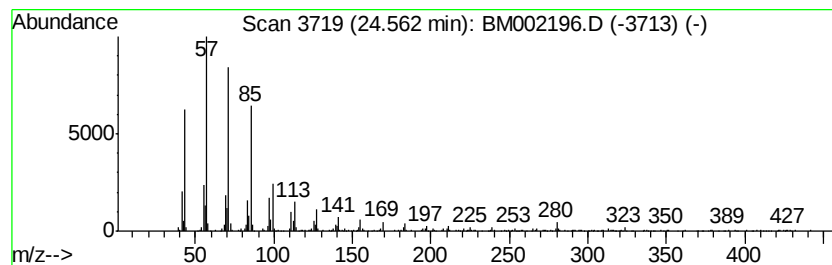
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.56	27.06 ng/ul	1298450	Perylene-d12	23.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	97
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5		triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002196.D
 Acq On : 03 Aug 2015 14:16
 Operator : TP/UM
 Sample : G3073-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6

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
unknown-01	15.59	4.0	ng/ul	277699	4	16.96	1386880	20.0
Tri(2-chloroethyl...	16.47	2.1	ng/ul	147840	4	16.96	1386880	20.0
2-Propanol, 1-chl...	16.72	2.9	ng/ul	203594	4	16.96	1386880	20.0
1,1'-Biphenyl, 2'...	17.56	6.3	ng/ul	439507	4	16.96	1386880	20.0
n-Hexadecanoic acid	17.87	14.3	ng/ul	987967	4	16.96	1386880	20.0
1,1'-Biphenyl, 2,...	18.03	13.4	ng/ul	927676	4	16.96	1386880	20.0
1,1'-Biphenyl, 3,...	18.13	2.3	ng/ul	161026	4	16.96	1386880	20.0
1,1'-Biphenyl, 2,...	18.49	2.1	ng/ul	146403	4	16.96	1386880	20.0
1,1'-Biphenyl, 2,...	18.89	13.1	ng/ul	911412	4	16.96	1386880	20.0
1,1'-Biphenyl, 2,...	19.17	7.5	ng/ul	1211690	5	21.17	3253810	20.0
1,1'-Biphenyl, 2,...	19.63	5.1	ng/ul	831294	5	21.17	3253810	20.0
1,1'-Biphenyl, 3,...	19.89	5.3	ng/ul	860611	5	21.17	3253810	20.0
1,1'-Biphenyl, 2,...	20.17	4.0	ng/ul	648879	5	21.17	3253810	20.0
1,1'-Biphenyl, 2,...	20.49	4.3	ng/ul	690892	5	21.17	3253810	20.0
(DEL) Alkane: Str...	21.32	2.7	ng/ul	444764	5	21.17	3253810	20.0
1-Iodo-2-methylun...	21.74	5.9	ng/ul	954021	5	21.17	3253810	20.0
unknown-02	21.90	2.6	ng/ul	417616	5	21.17	3253810	20.0
(DEL) Alkane: Str...	22.19	7.2	ng/ul	1167480	5	21.17	3253810	20.0
(DEL) Alkane: Str...	23.84	31.4	ng/ul	1507660	6	23.37	959641	20.0
(DEL) Alkane: Str...	24.56	27.1	ng/ul	1298450	6	23.37	959641	20.0