

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
 Data File : BM017471.D
 Acq On : 01 Nov 2018 18:36
 Operator : MJ/SJ
 Sample : J5704-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40G1

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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	6.822	642	652	670	rBV2	1165644	2495578	0.34%	0.076%
2	6.987	674	680	693	rVV	884572	1362393	0.19%	0.042%
3	7.175	706	712	723	rBV	1194532	1955342	0.27%	0.060%
4	7.640	780	791	794	rBV	1100924	1801290	0.25%	0.055%
5	7.675	794	797	807	rVV	1012396	1599900	0.22%	0.049%
6	8.345	906	911	921	rVB	1364723	2281718	0.32%	0.070%
7	8.792	981	987	994	rVV	1096130	1827736	0.25%	0.056%
8	9.510	1100	1109	1120	rBV	918254	1615508	0.22%	0.049%
9	10.039	1193	1199	1215	rBV	1327297	2424455	0.33%	0.074%
10	10.416	1251	1263	1268	rBV	1489245	2804912	0.39%	0.086%
11	10.563	1281	1288	1308	rVB	1177347	2316397	0.32%	0.071%
12	12.633	1635	1640	1645	rVV	3931073	5347679	0.74%	0.164%
13	12.692	1645	1650	1655	rVV	6072658	8300085	1.15%	0.254%
14	12.745	1655	1659	1661	rVV2	693576	968870	0.13%	0.030%
15	12.775	1661	1664	1675	rVB	1260553	1760008	0.24%	0.054%
16	12.933	1685	1691	1694	rBV	5364253	7288137	1.01%	0.223%
17	12.963	1694	1696	1701	rVV	1769176	2106709	0.29%	0.064%
18	13.110	1713	1721	1726	rBV2	11655471	17383078	2.40%	0.532%
19	13.157	1726	1729	1741	rVB	2455214	3137784	0.43%	0.096%
20	13.704	1816	1822	1827	rVV	2464432	3570554	0.49%	0.109%
21	13.751	1827	1830	1837	rVB	500012	756084	0.10%	0.023%
22	13.974	1855	1868	1873	rBV	3041149	4766065	0.66%	0.146%
23	14.204	1900	1907	1911	rBV	892245	1254474	0.17%	0.038%
24	14.280	1911	1920	1922	rVV3	3338591	7245674	1.00%	0.222%
25	14.339	1922	1930	1934	rVV2	56757020	113185067	15.64%	3.464%
26	14.380	1934	1937	1939	rVV	3192446	4405698	0.61%	0.135%
27	14.416	1939	1943	1954	rVV	8044998	11657996	1.61%	0.357%
28	14.516	1954	1960	1970	rVV2	921623	2038616	0.28%	0.062%
29	14.616	1970	1977	1986	rVV4	561606	1279797	0.18%	0.039%
30	15.074	2049	2055	2059	rBV	761174	1402892	0.19%	0.043%
31	15.139	2059	2066	2077	rVB	13573413	25582400	3.53%	0.783%
32	15.251	2077	2085	2090	rBV	15222280	28984584	4.00%	0.887%
33	15.351	2096	2102	2121	rVB	24859399	60312872	8.33%	1.846%
34	15.510	2121	2129	2133	rBV	16835283	37218889	5.14%	1.139%

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35	15.704	2133	2162	2166	rBV9	76916838	663526068	91.68%	20.306%
36	15.827	2176	2183	2187	rBV	1063625	2281675	0.32%	0.070%
37	15.980	2193	2209	2210	rBV4	81062343	300646811	41.54%	9.201%
38	16.080	2222	2226	2231	rVB	10521239	12142772	1.68%	0.372%
39	16.157	2233	2239	2243	rBV	11339967	17085960	2.36%	0.523%
40	16.210	2243	2248	2256	rVB3	26458295	43621950	6.03%	1.335%
41	16.333	2256	2269	2273	rBV3	76497671	147961724	20.44%	4.528%
42	16.363	2273	2274	2278	rVV	5471361	3982820	0.55%	0.122%
43	16.439	2282	2287	2293	rVB	4432432	5799240	0.80%	0.177%
44	16.563	2304	2308	2310	rBV	1748988	2273338	0.31%	0.070%
45	16.598	2310	2314	2318	rVV	20410935	27150542	3.75%	0.831%
46	16.663	2318	2325	2330	rVB2	8518328	12538081	1.73%	0.384%
47	16.857	2352	2358	2364	rVB4	575296	1206830	0.17%	0.037%
48	16.945	2365	2373	2376	rBV	34522562	63233018	8.74%	1.935%
49	16.986	2376	2380	2385	rVB	44877959	62420641	8.62%	1.910%
50	17.051	2385	2391	2395	rBV2	24558867	41923678	5.79%	1.283%
51	17.163	2405	2410	2415	rBV	3801755	5220131	0.72%	0.160%
52	17.239	2415	2423	2428	rVV2	34232545	56751957	7.84%	1.737%
53	17.339	2434	2440	2446	rBV3	364769	755639	0.10%	0.023%
54	17.404	2446	2451	2459	rVB4	1926251	4179314	0.58%	0.128%
55	17.504	2462	2468	2471	rVV	12150200	18650756	2.58%	0.571%
56	17.533	2471	2473	2480	rVB	7252528	9320187	1.29%	0.285%
57	17.674	2486	2497	2503	rVV2	63023275	176358692	24.37%	5.397%
58	17.798	2508	2518	2522	rBV	39046219	66539497	9.19%	2.036%
59	17.851	2522	2527	2531	rVV	3237368	4370024	0.60%	0.134%
60	17.910	2531	2537	2541	rVV	25782801	35915575	4.96%	1.099%
61	17.957	2541	2545	2554	rVB	8079460	11229767	1.55%	0.344%
62	18.062	2555	2563	2567	rBV2	2846789	4344515	0.60%	0.133%
63	18.127	2567	2574	2579	rVV	23889504	37720820	5.21%	1.154%
64	18.186	2579	2584	2587	rVV	20540219	28800364	3.98%	0.881%
65	18.227	2587	2591	2597	rVB	23162378	30162189	4.17%	0.923%
66	18.409	2615	2622	2627	rVV	19590610	31901960	4.41%	0.976%
67	18.457	2627	2630	2633	rVV	9228199	11332580	1.57%	0.347%
68	18.509	2633	2639	2643	rVV	14845623	23016933	3.18%	0.704%
69	18.545	2643	2645	2648	rVV	10206057	12431358	1.72%	0.380%
70	18.586	2648	2652	2658	rVB	19682729	24450166	3.38%	0.748%
71	18.680	2663	2668	2676	rVB2	4558845	7424027	1.03%	0.227%

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72	18.751	2676	2680	2687	rVB	975705	1303192	0.18%	0.040%
73	18.827	2688	2693	2697	rVB2	1191319	1761022	0.24%	0.054%
74	18.892	2697	2704	2708	rBV	7168069	10164033	1.40%	0.311%
75	18.945	2708	2713	2716	rVV	11246243	17506940	2.42%	0.536%
76	18.980	2716	2719	2726	rVB2	9753440	14296909	1.98%	0.438%
77	19.051	2727	2731	2735	rBV3	933315	1213368	0.17%	0.037%
78	19.133	2742	2745	2747	rVV	677335	812797	0.11%	0.025%
79	19.162	2747	2750	2752	rVV	1708230	2212840	0.31%	0.068%
80	19.192	2752	2755	2761	rVV	2523564	5407052	0.75%	0.165%
81	19.245	2761	2764	2771	rVV3	1425780	2368978	0.33%	0.072%
82	19.309	2772	2775	2790	rVB8	421492	986616	0.14%	0.030%
83	19.439	2792	2797	2804	rVV2	3800933	5337947	0.74%	0.163%
84	19.651	2826	2833	2837	rBV6	403844	1185785	0.16%	0.036%
85	19.692	2837	2840	2845	rVV3	743836	1016346	0.14%	0.031%
86	19.804	2855	2859	2863	rVB	1772579	2153291	0.30%	0.066%
87	20.321	2944	2947	2951	rVB3	591129	736238	0.10%	0.023%
88	20.527	2977	2982	2986	rBV3	2097274	3454785	0.48%	0.106%
89	20.951	3049	3054	3059	rBV	18467349	28150834	3.89%	0.861%
90	21.262	3085	3107	3118	rBV	75697126	723763014	100.00%	22.149%
91	21.486	3143	3145	3147	rVB2	66738355	46477763	6.42%	1.422%
92	21.515	3147	3150	3152	rVV	1597942	1695729	0.23%	0.052%
93	21.533	3152	3153	3159	rVB	2960953	2524837	0.35%	0.077%
94	21.633	3168	3170	3173	rVV	1829773	1910124	0.26%	0.058%
95	21.668	3174	3176	3182	rVB	1769955	2021432	0.28%	0.062%
96	22.345	3288	3291	3297	rVB	2395614	3189518	0.44%	0.098%
97	23.356	3458	3463	3473	rVB	2546420	4949808	0.68%	0.151%

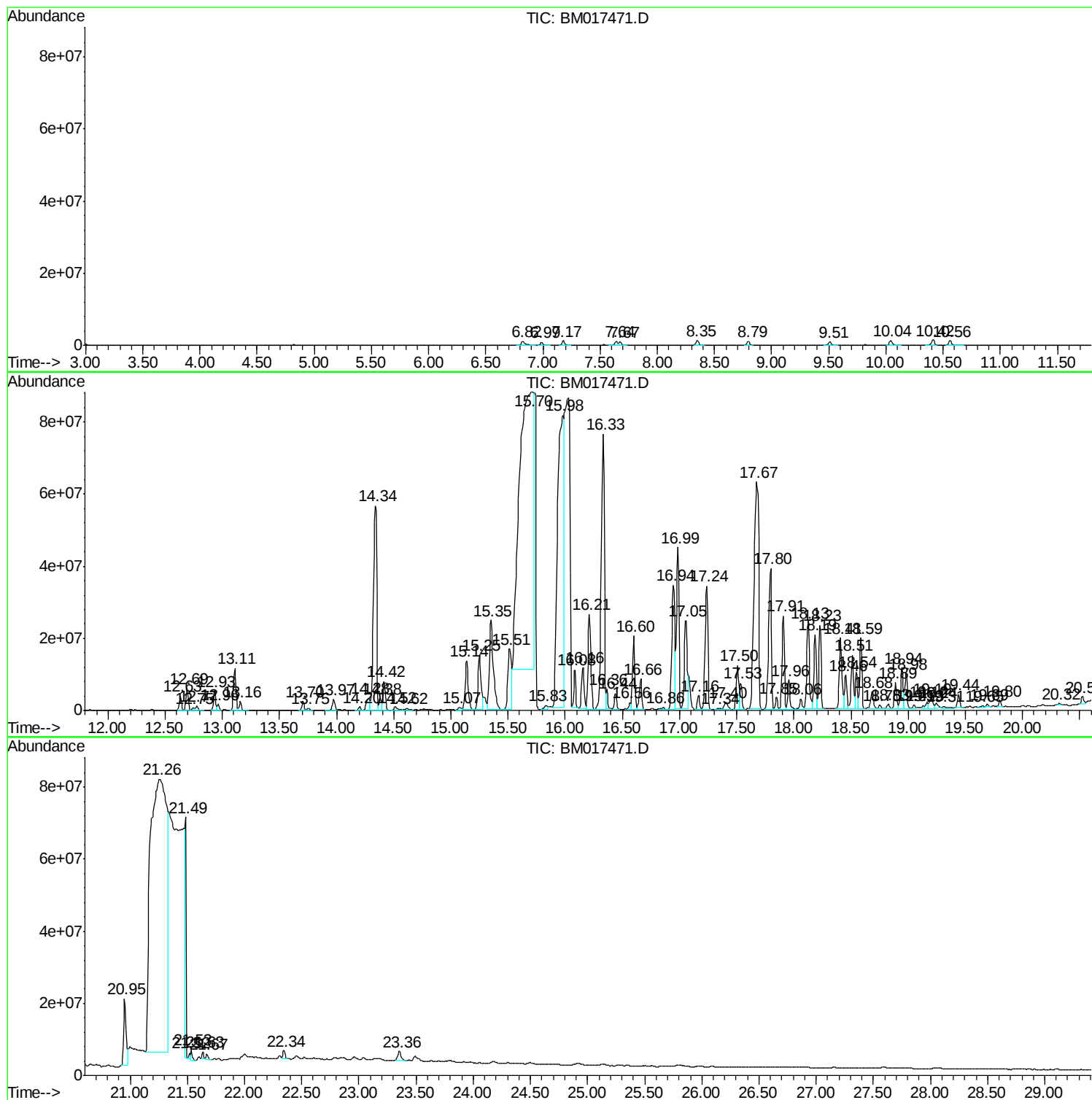
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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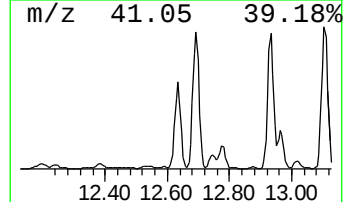
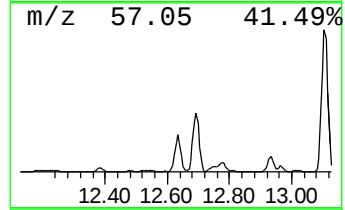
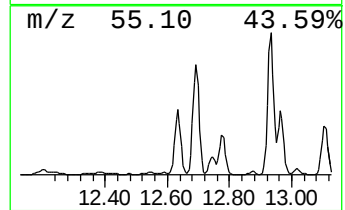
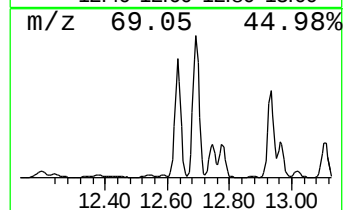
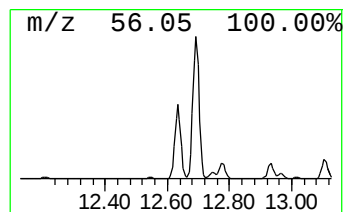
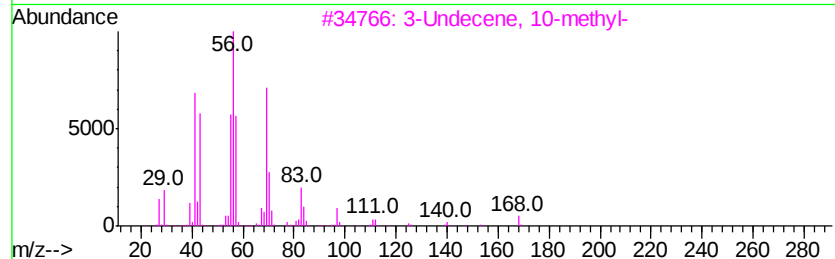
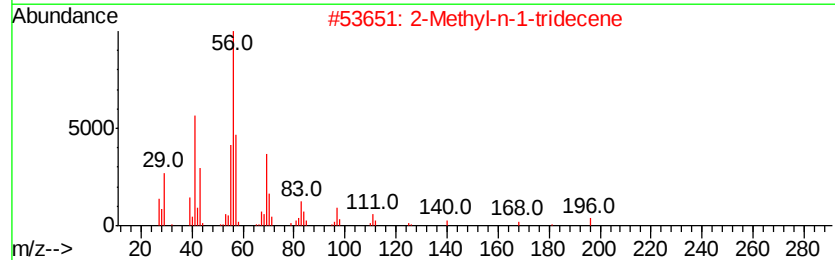
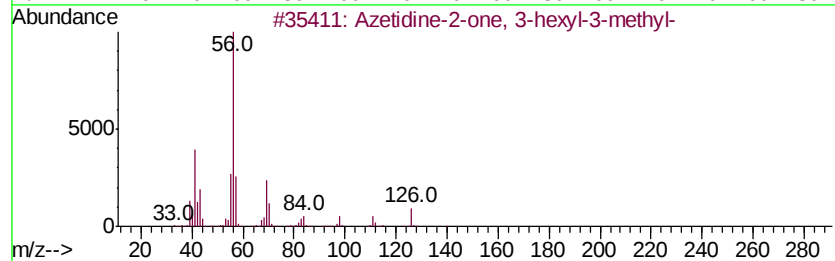
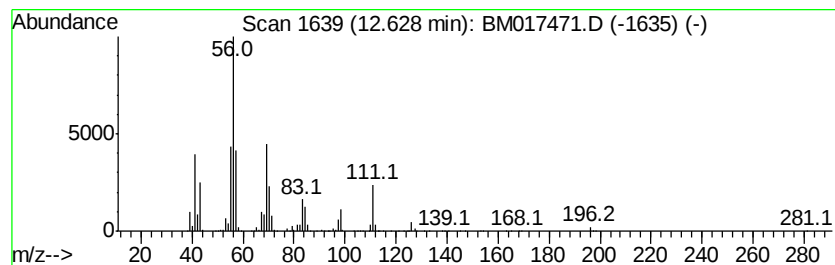
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Azetidine-2-one, 3-hexyl-3-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	14.76 ng/ul	5347680	Acenaphthene-d10	14.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Azetidine-2-one, 3-hexyl-3-methyl-	169 C10H19NO	105037-97-6 72
2		2-Methyl-n-1-tridecene	196 C14H28	018094-01-4 64
3		3-Undecene, 10-methyl-	168 C12H24	1000061-84-5 62
4		5-Undecene, 2-methyl-, (Z)-	168 C12H24	074630-63-0 59
5		Cyclobutane, 1-hexyl-2,3-dimethyl-	168 C12H24	055170-84-8 59



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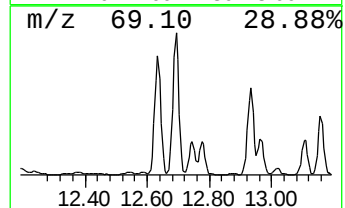
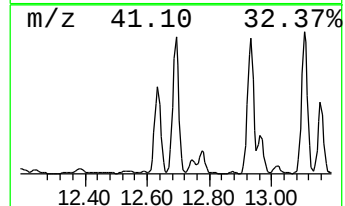
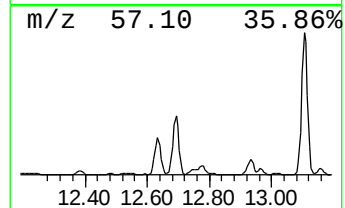
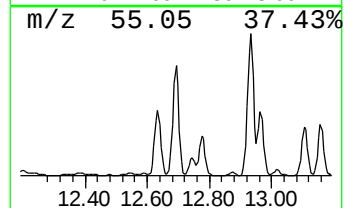
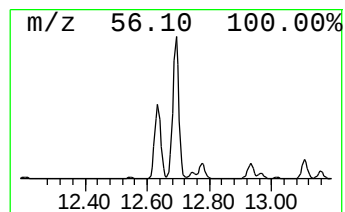
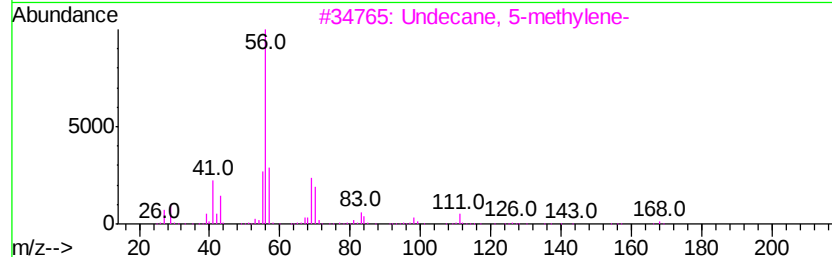
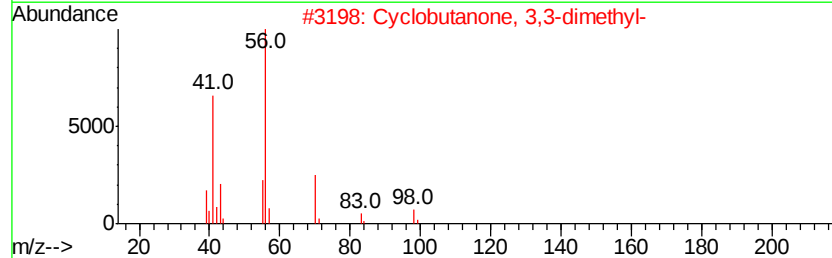
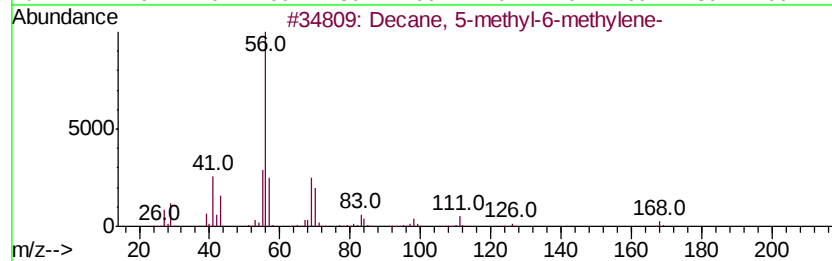
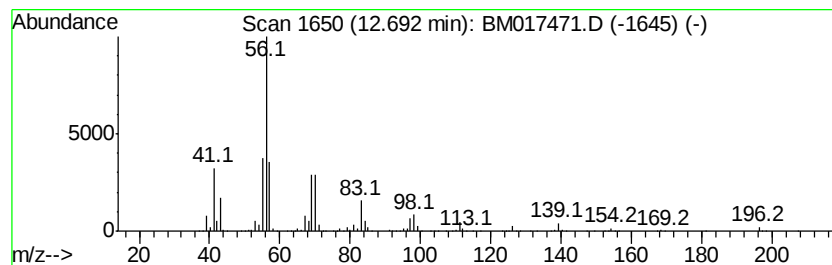
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic12.69 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	22.91 ng/ul	8300090	Acenaphthene-d10	14.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Decane, 5-methyl-6-methylene-	168 C12H24	075029-95-7 80
2		Cyclobutanone, 3,3-dimethyl-	98 C6H10O	001192-33-2 72
3		Undecane, 5-methylene-	168 C12H24	005698-48-6 72
4		2-Butyl-1-decene	196 C14H28	051655-65-3 70
5		2-Decene, 9-methyl-, (Z)-	154 C11H22	074630-24-3 64



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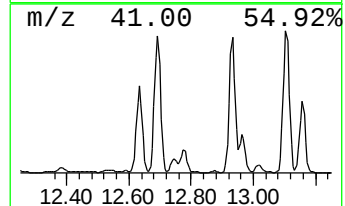
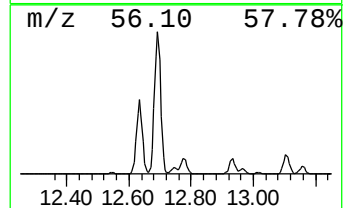
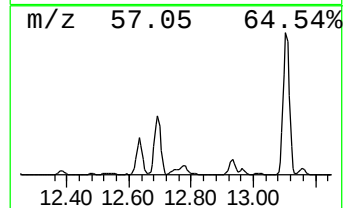
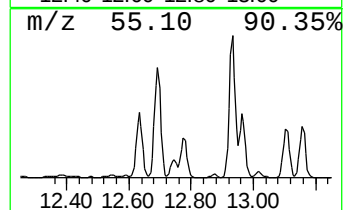
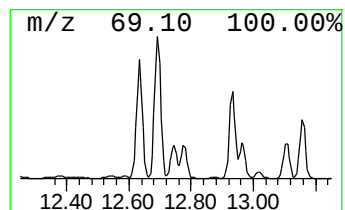
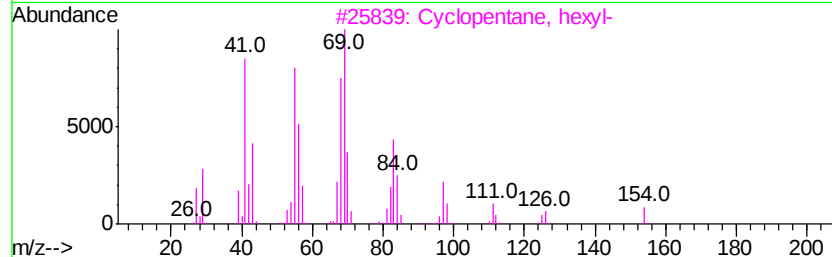
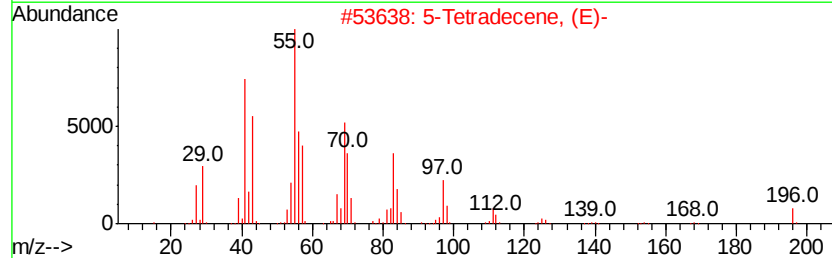
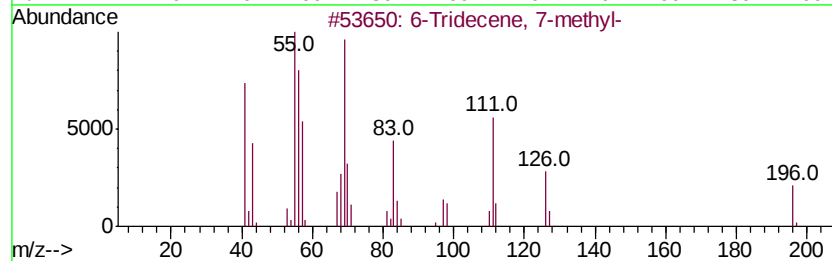
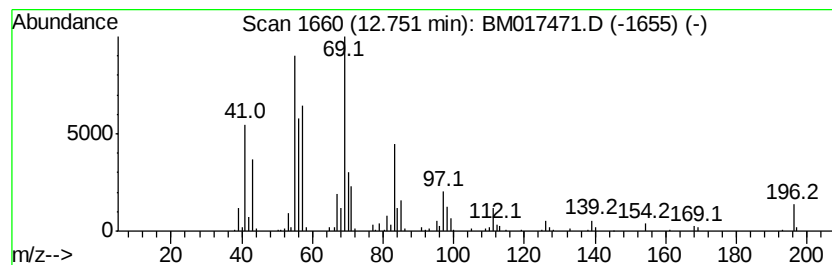
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 (DEL) Alkane: Cyclic12.75 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.67 ng/ul	968870	Acenaphthene-d10	14.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	91
2		5-Tetradecene, (E)-	196	C14H28	041446-66-6	83
3		Cyclopentane, hexyl-	154	C11H22	004457-00-5	80
4		Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	78
5		6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	62



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Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
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Instrument :
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ClientSampleId :
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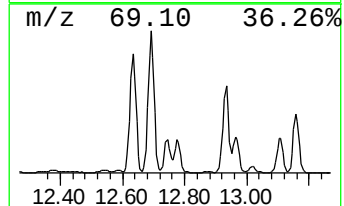
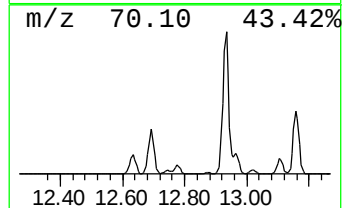
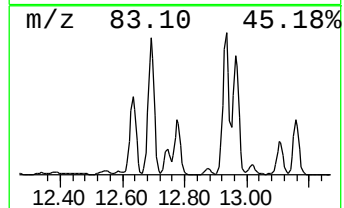
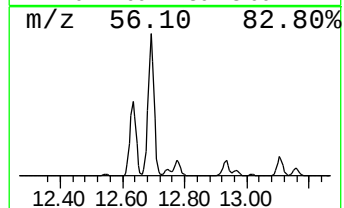
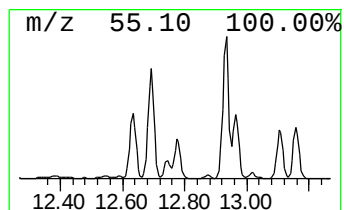
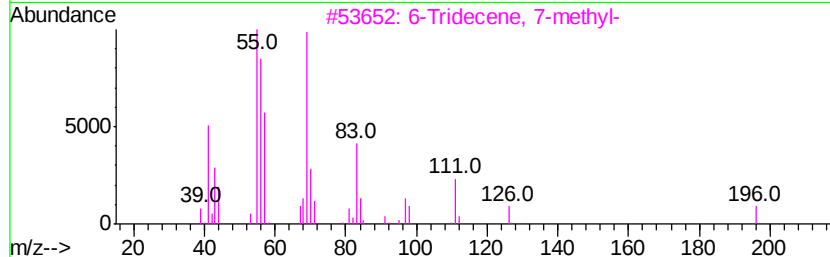
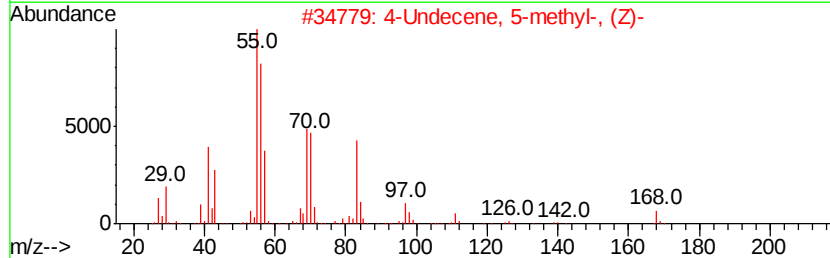
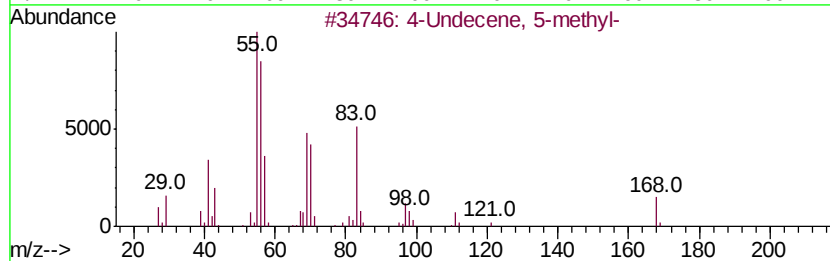
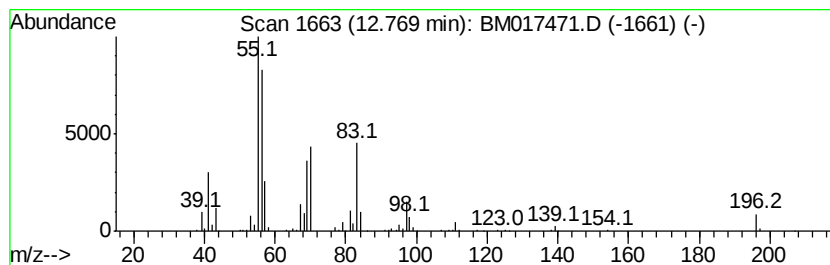
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic12.77 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	4.86 ng/ul	1760010	Acenaphthene-d10	14.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4	Undecene, 5-methyl-	168	C12H24	020634-43-9	90	
2	4	Undecene, 5-methyl-, (Z)-	168	C12H24	074630-69-6	83	
3	6	Tridecene, 7-methyl-	196	C14H28	024949-42-6	72	
4	4	Nonene, 5-methyl-	140	C10H20	015918-07-7	64	
5		Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	64	



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Acq On : 01 Nov 2018 18:36
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Sample : J5704-04
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ClientSampleId :
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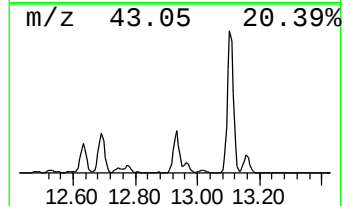
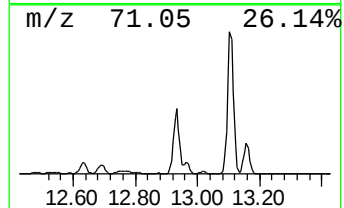
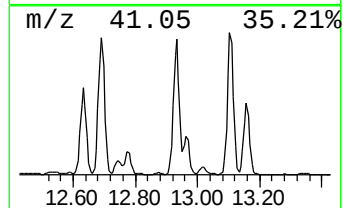
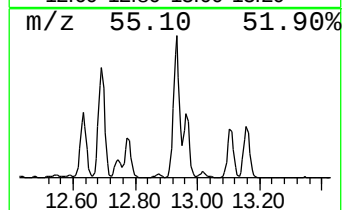
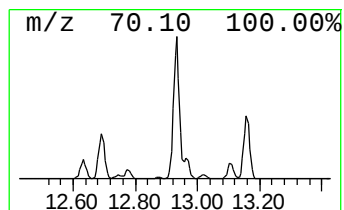
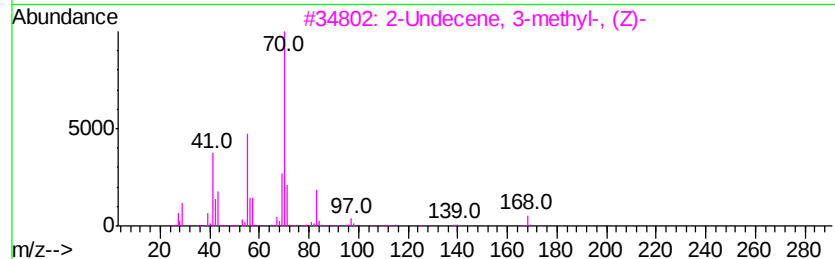
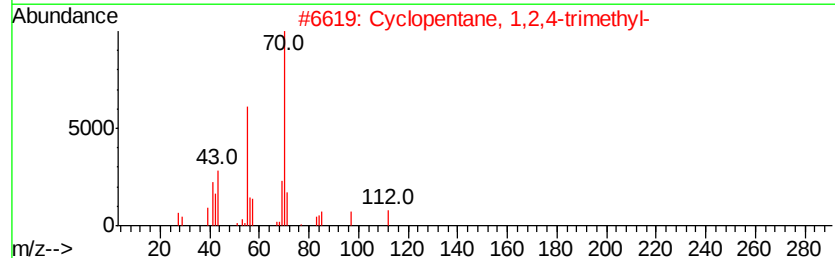
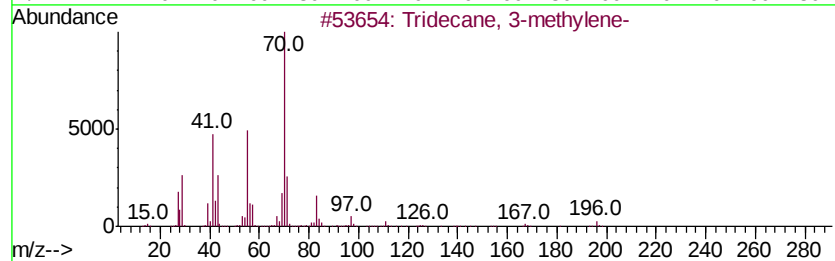
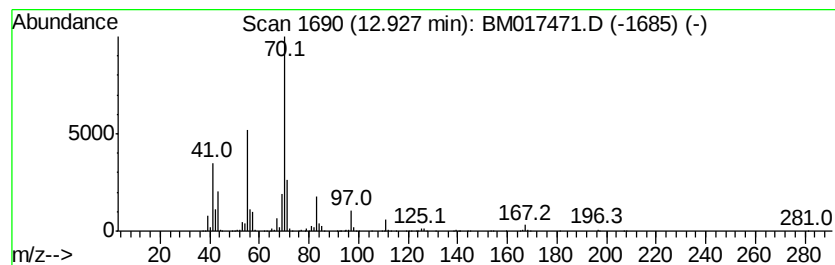
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic12.93 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	20.12 ng/ul	7288140	Acenaphthene-d10	14.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	86
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
3		2-Undecene, 3-methyl-, (Z)-	168	C12H24	057024-90-5	72
4		2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	59
5		Undecane, 3-methylene-	168	C12H24	071138-64-2	56



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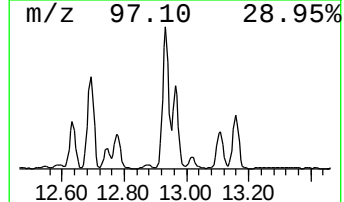
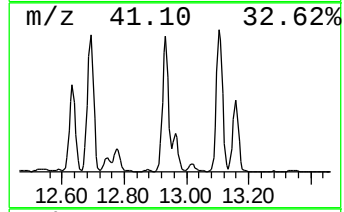
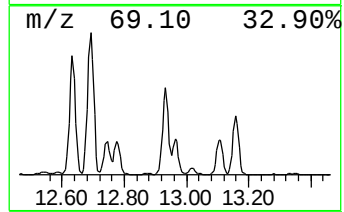
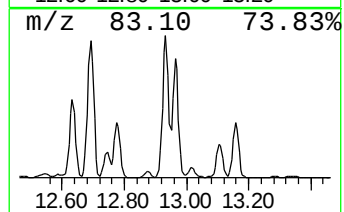
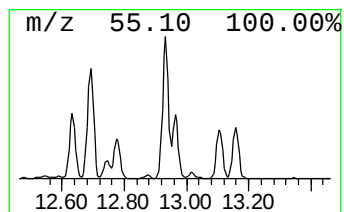
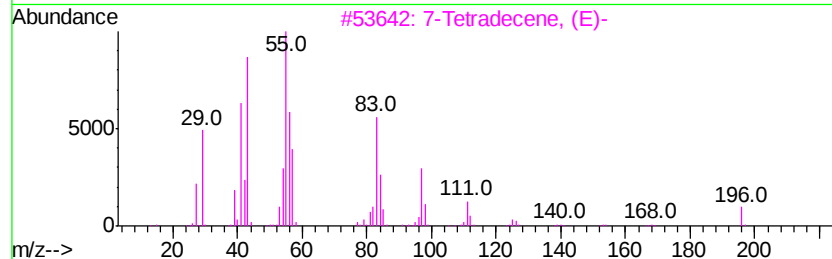
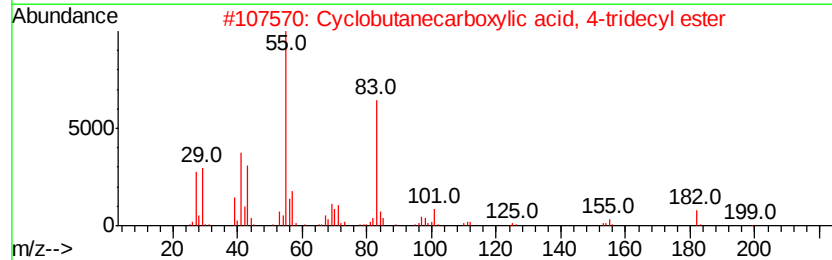
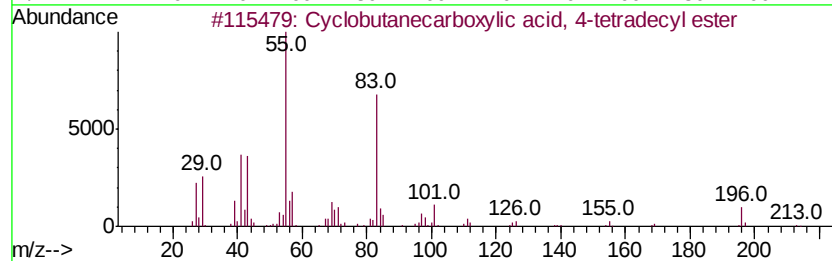
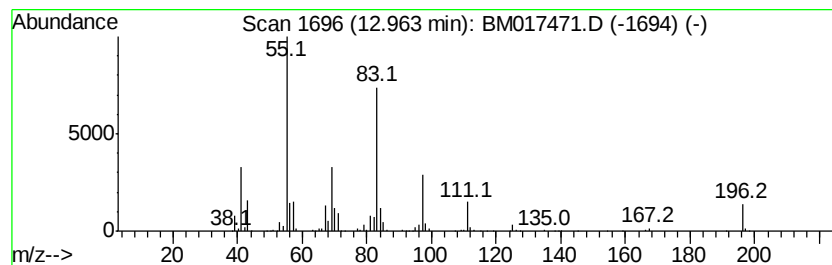
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Cyclobutanecarboxylic acid,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.82 ng/ul	2106710	Acenaphthene-d10	14.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutanecarboxylic acid, 4-te...	296	C19H36O2	1000280-58-0	72
2			Cyclobutanecarboxylic acid, 4-tr...	282	C18H34O2	1000280-57-7	64
3			7-Tetradecene, (E)-	196	C14H28	041446-63-3	64
4			3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	53
5			Cyclohexane, octyl-	196	C14H28	001795-15-9	50



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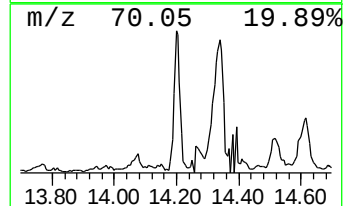
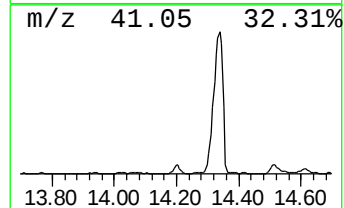
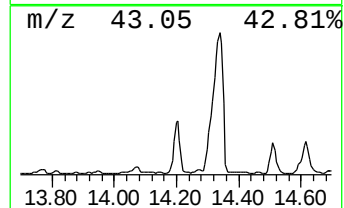
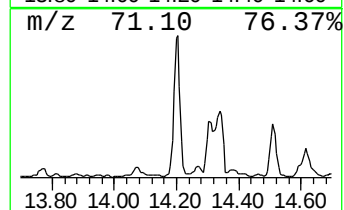
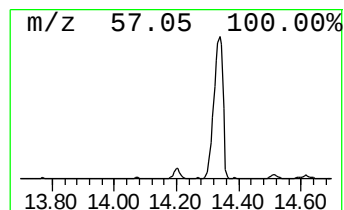
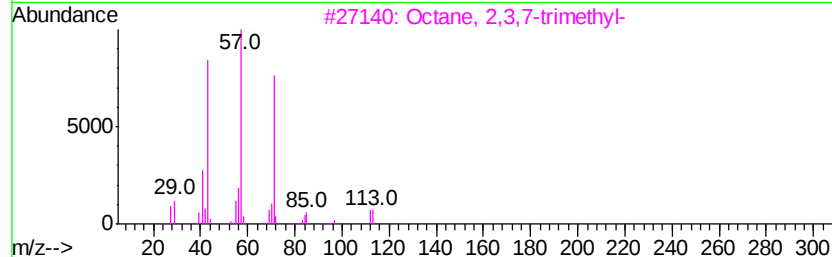
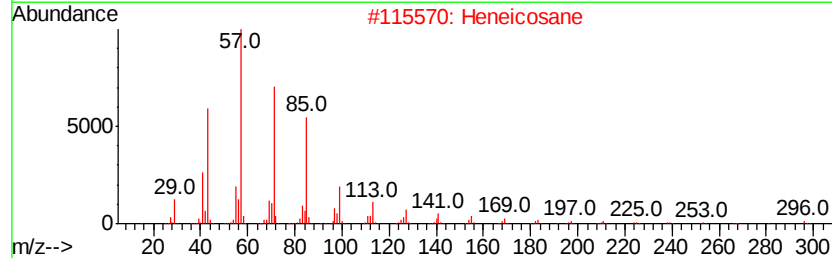
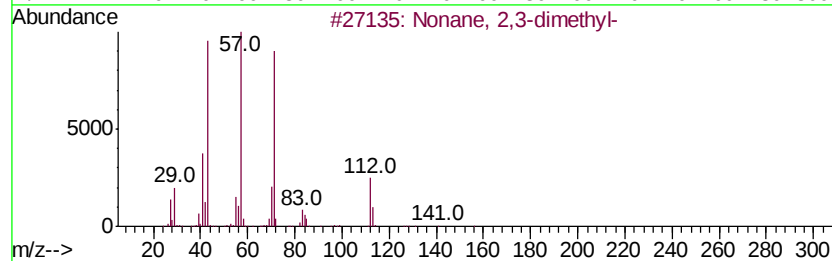
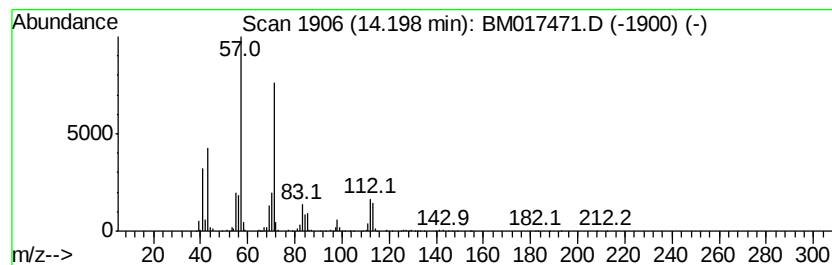
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	3.46 ng/ul	1254470	Acenaphthene-d10	14.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	80
2			Heneicosane	296	C21H44	000629-94-7	72
3			Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53



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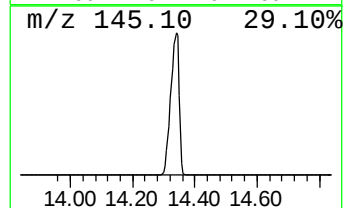
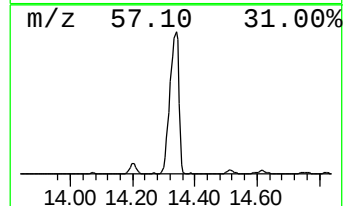
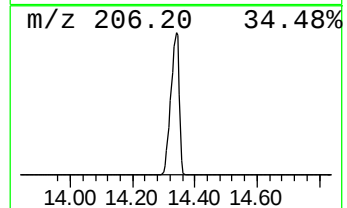
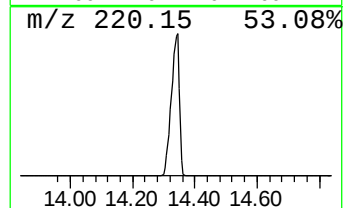
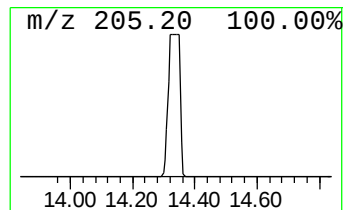
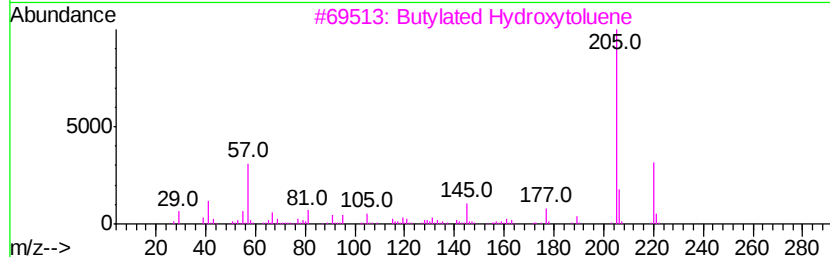
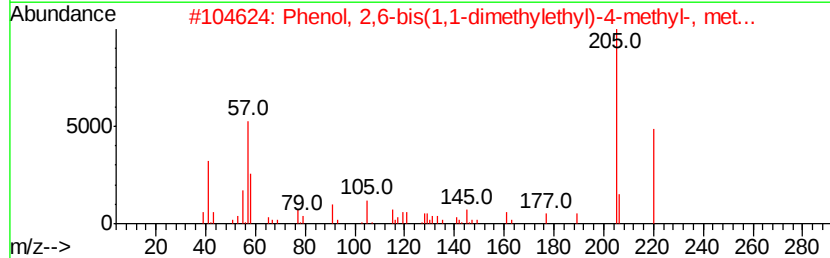
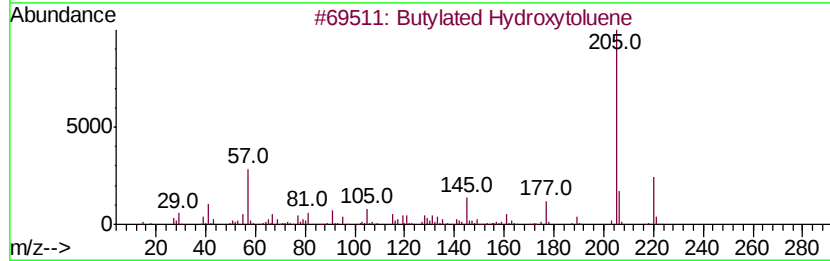
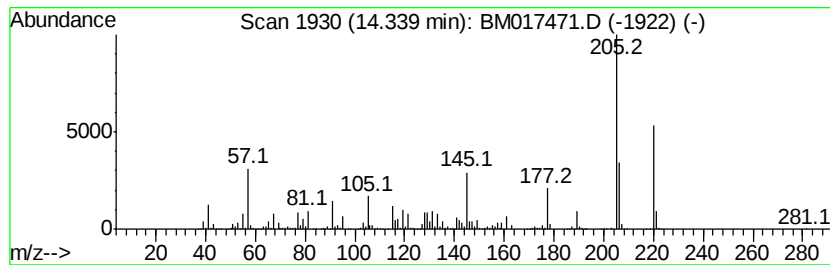
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Butylated Hydroxytoluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	312.42 ng/ul	113185000	Acenaphthene-d10	14.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	78
2	Phenol, 2,6-bis(1,1-dimethylethy...	277 C17H27NO2	001918-11-2	64
3	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	56
4	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	53
5	2H-1-Benzopyran, 6,7-dimethoxy-2...	220 C13H16O3	000644-06-4	50



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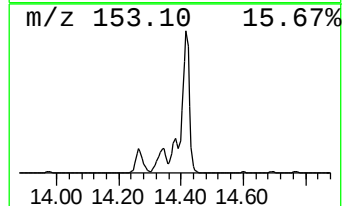
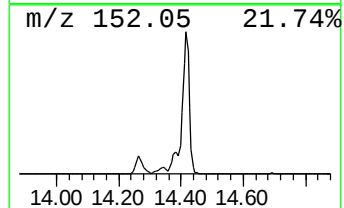
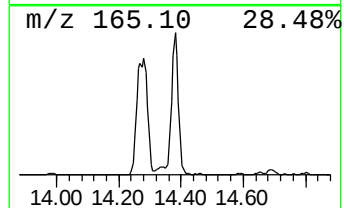
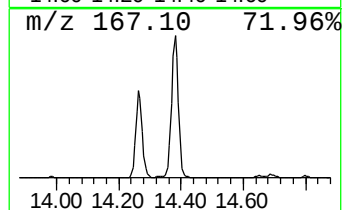
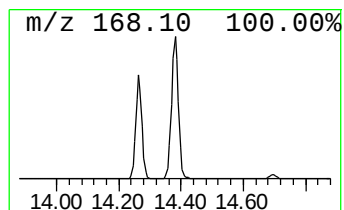
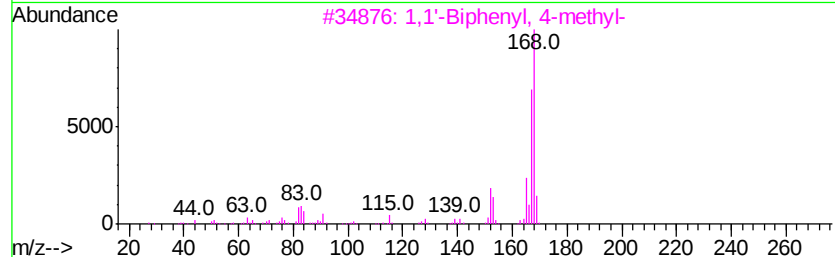
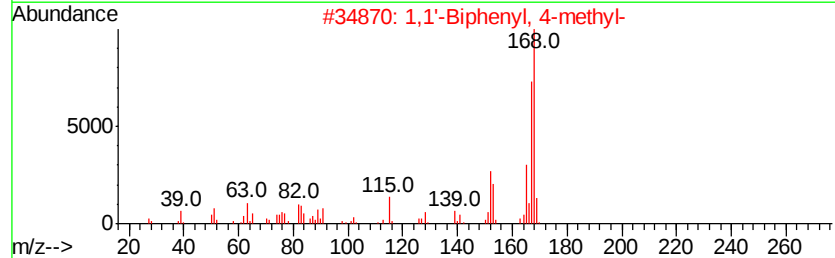
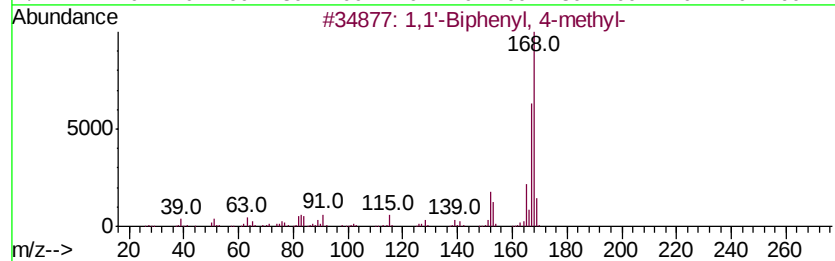
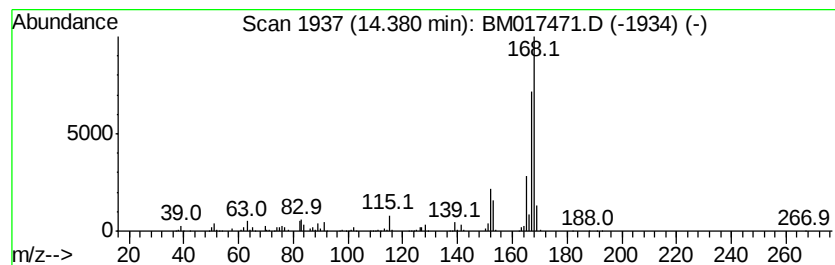
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,1'-Biphenyl, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	12.16 ng/ul	4405700	Acenaphthene-d10	14.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
2		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
3		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	93
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
5		Diphenylmethane	168	C13H12	000101-81-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
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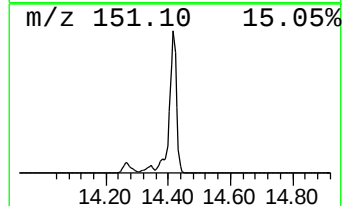
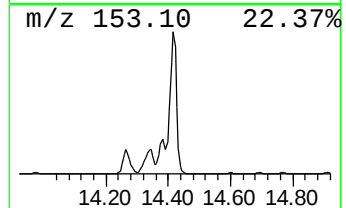
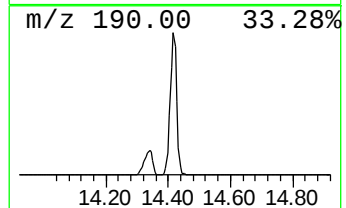
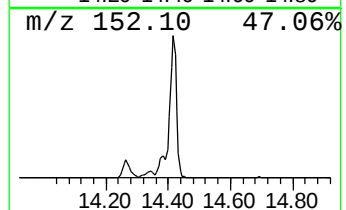
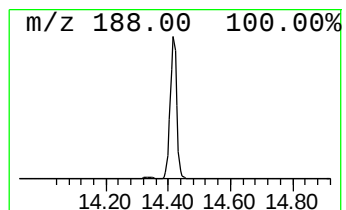
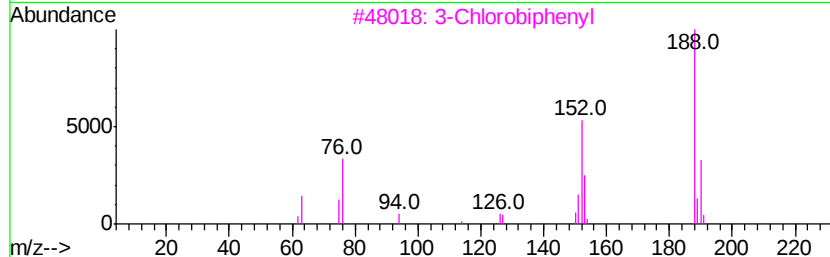
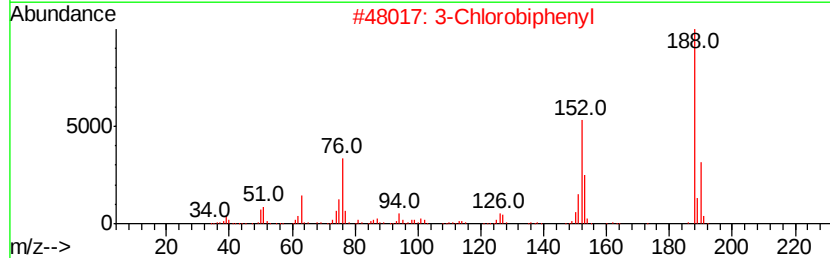
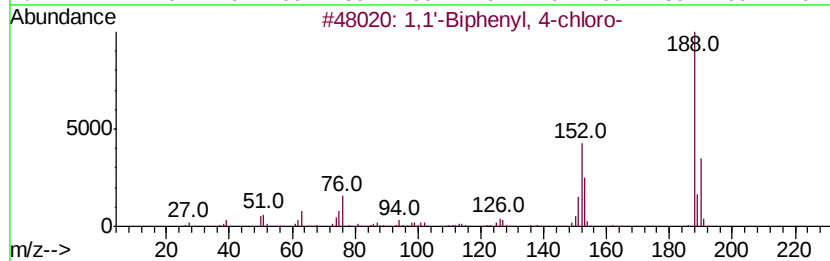
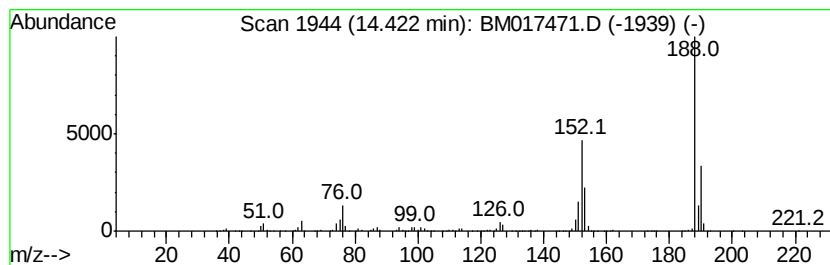
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 4-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.42	32.18 ng/ul	11658000	Acenaphthene-d10	14.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	98
2	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	97
3	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	97
4	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	97
5	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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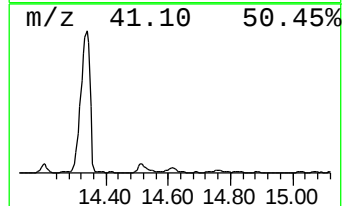
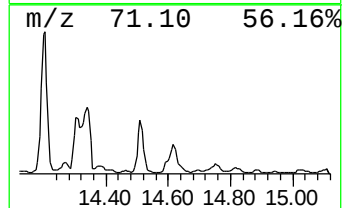
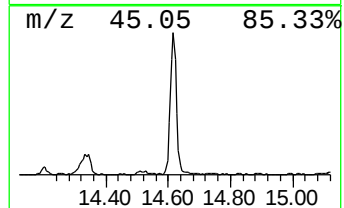
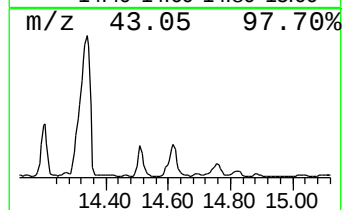
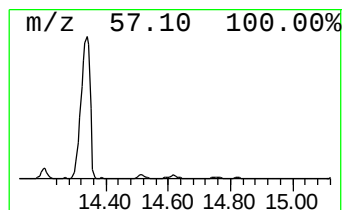
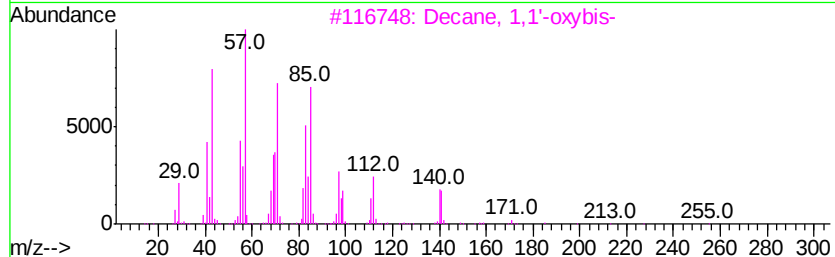
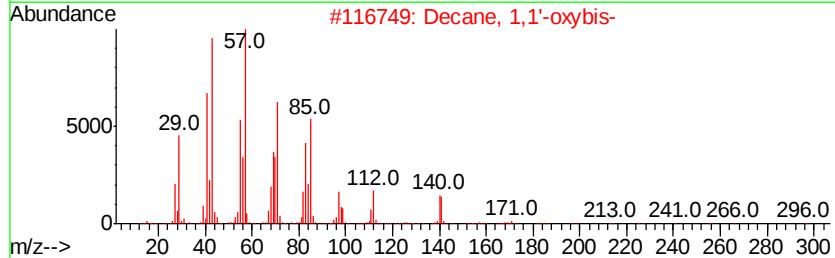
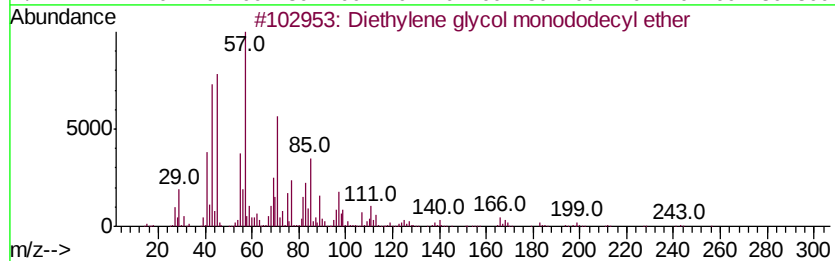
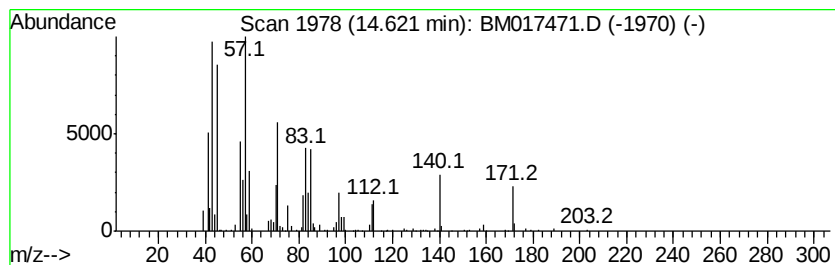
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Diethylene glycol monododec... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.53 ng/ul	1279800	Acenaphthene-d10	14.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethylene glycol monododecyl ether	274	C16H34O3	003055-93-4	59
2			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	38
3			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	30
4			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	27
5			Dodecane	170	C12H26	000112-40-3	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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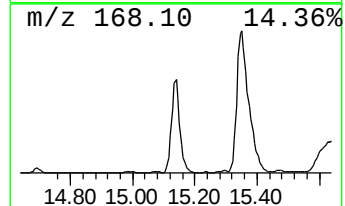
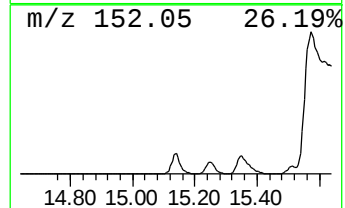
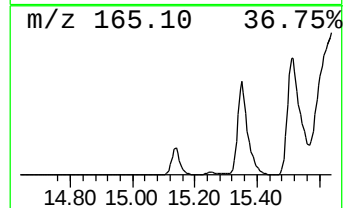
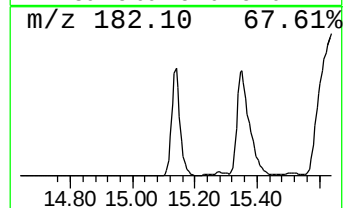
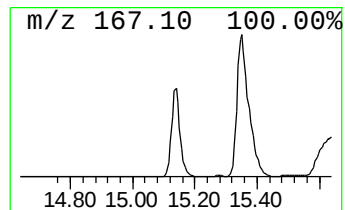
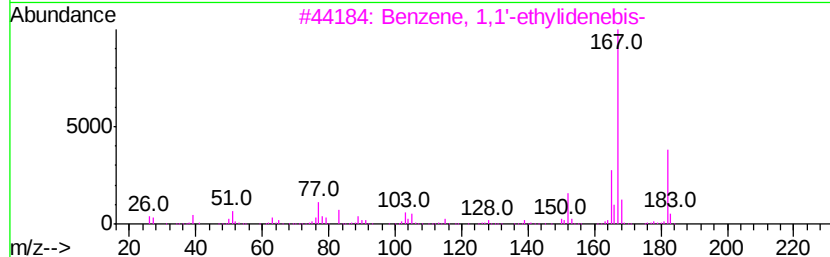
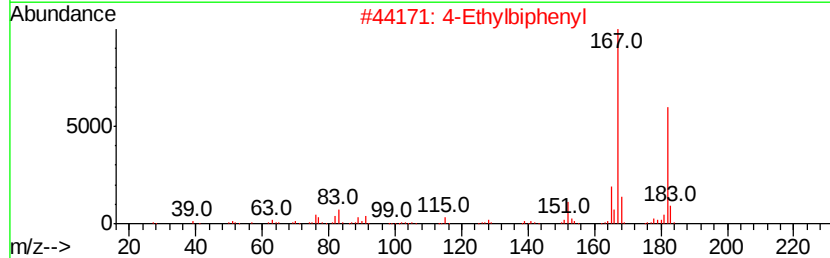
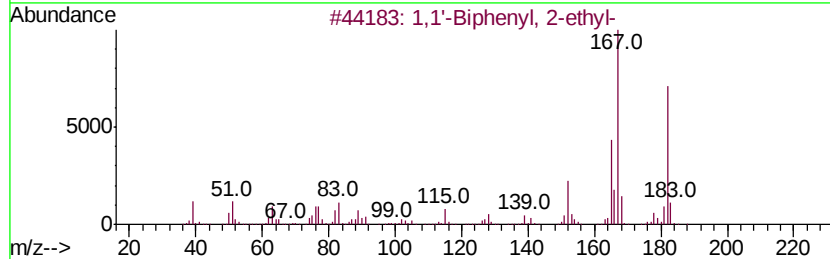
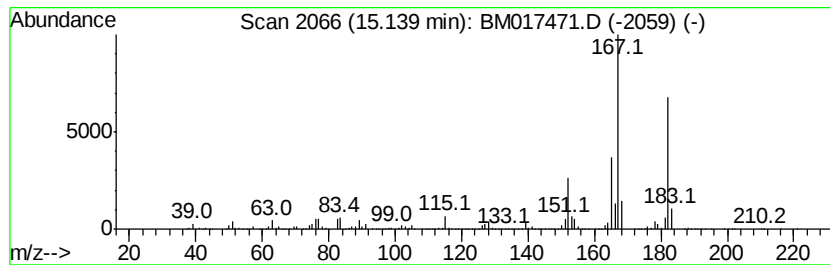
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	70.61 ng/ul	25582400	Acenaphthene-d10	14.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	95
2		4-Ethylbiphenyl	182	C14H14	005707-44-8	90
3		Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	90
4		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	83
5		Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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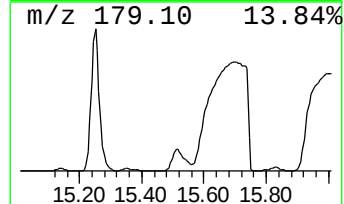
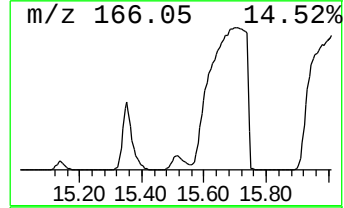
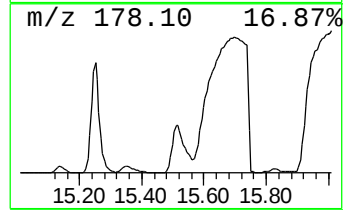
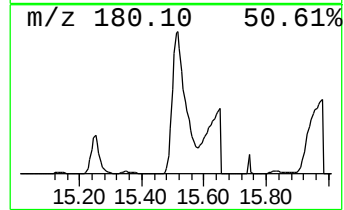
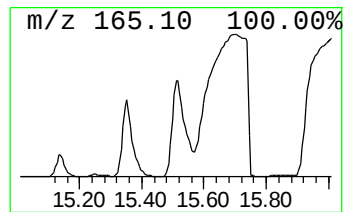
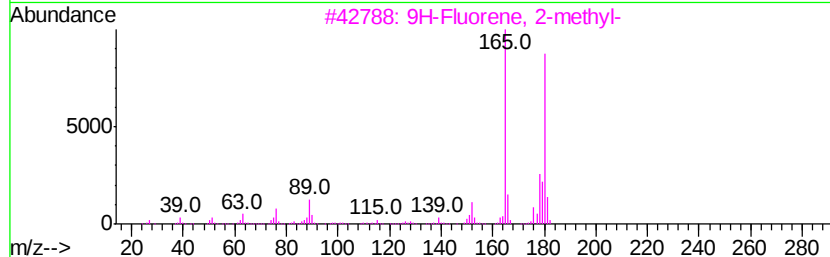
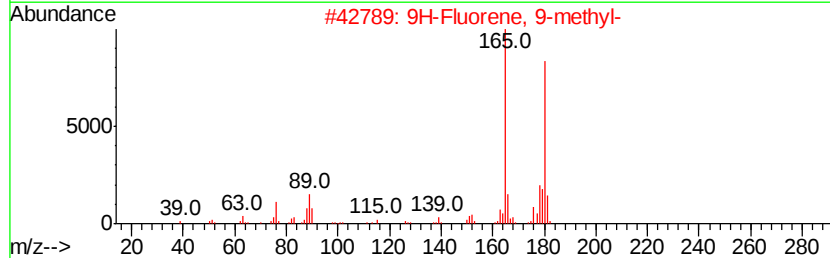
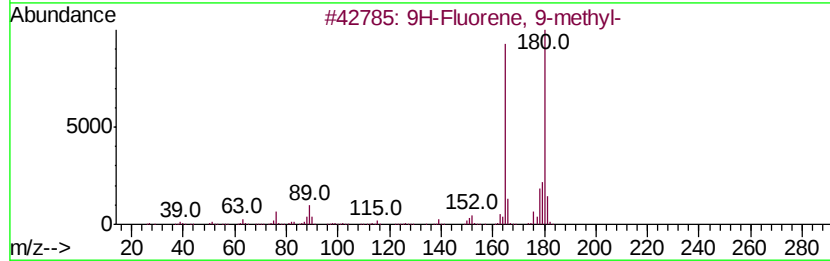
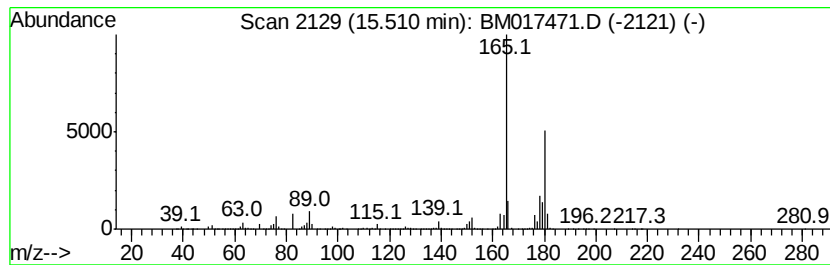
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 9H-Fluorene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	102.73 ng/ul	37218900	Acenaphthene-d10	14.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

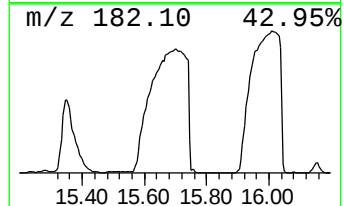
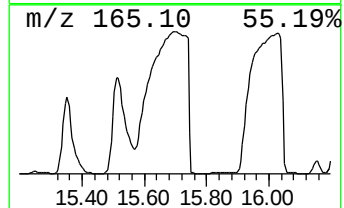
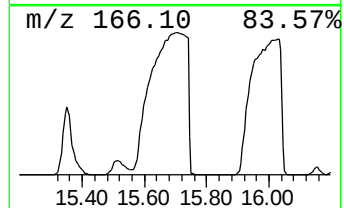
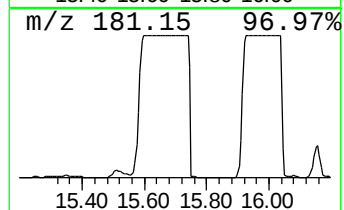
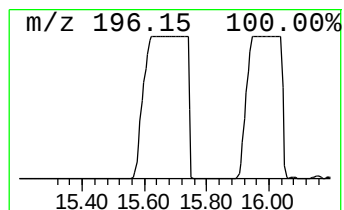
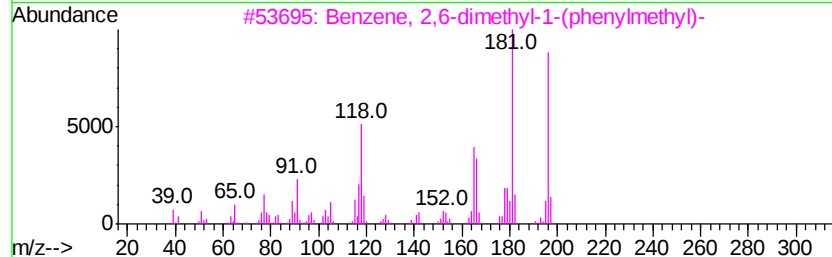
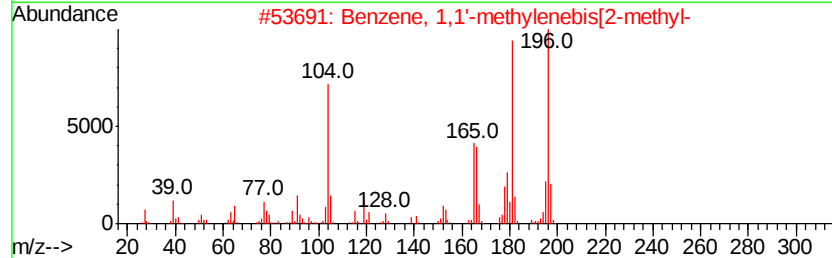
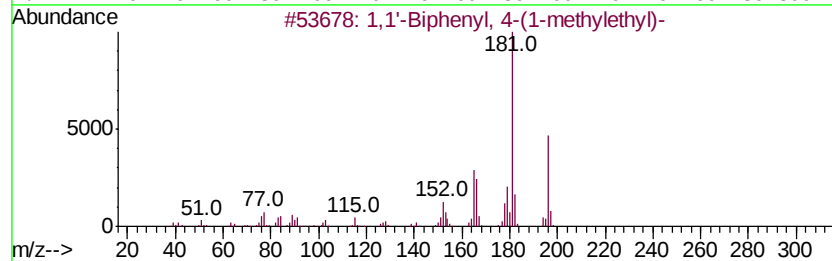
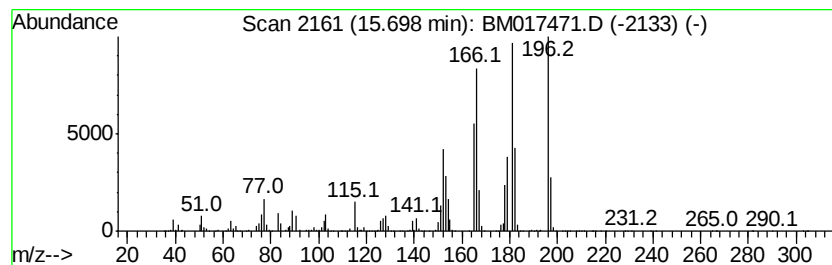
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.70	316.54 ng/ul	663526000	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	52
2	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	49
3	Benzene, 2,6-dimethyl-1-(phenylm...	196	C15H16	028122-29-4	47
4	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	46
5	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
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Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

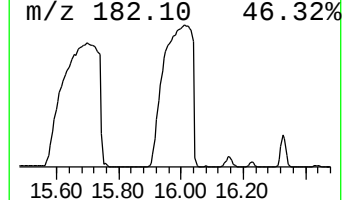
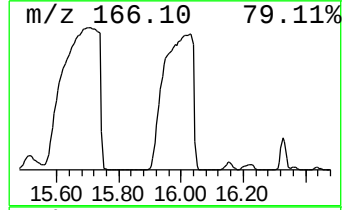
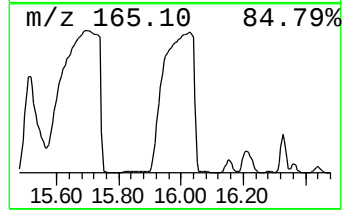
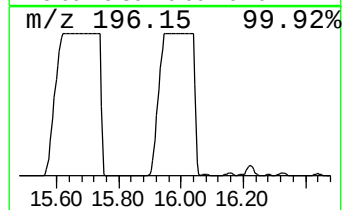
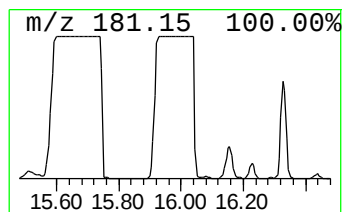
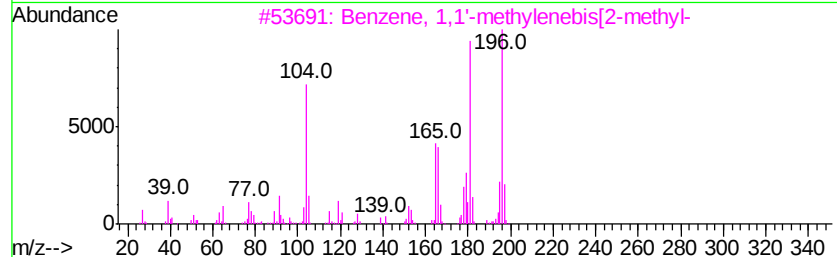
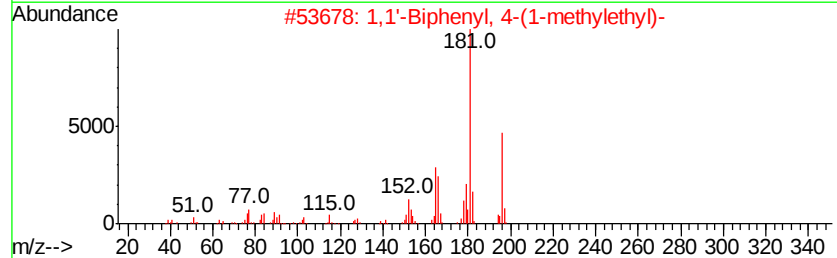
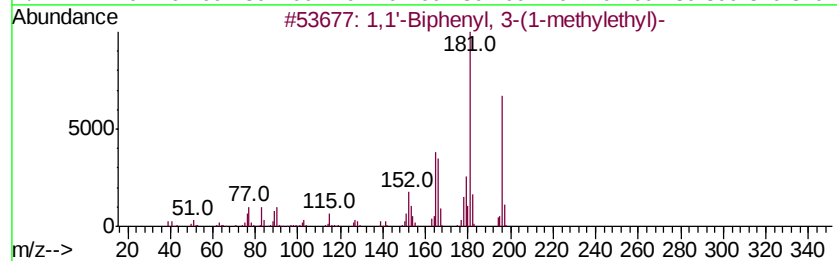
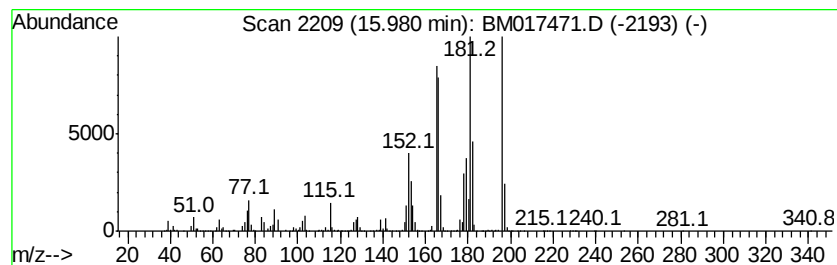
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	143.43 ng/ul	300647000	Phenanthrene-d10	17.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196 C15H16	020282-30-8	76
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196 C15H16	007116-95-2	64
3	Benzene, 1,1'-methylenebis[2-met...	196 C15H16	001634-74-8	49
4	1,1'-Biphenyl, 4-(1-methylethyl)-	196 C15H16	007116-95-2	46
5	Benzene, 1-methyl-2-[(3-methylph...	196 C15H16	021895-13-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
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Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

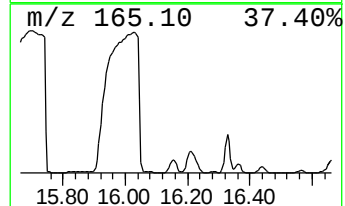
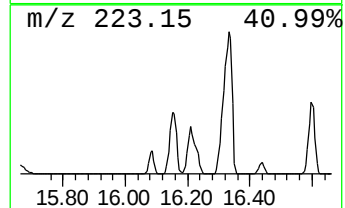
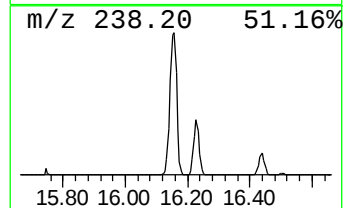
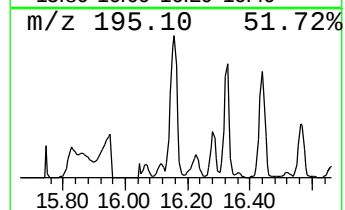
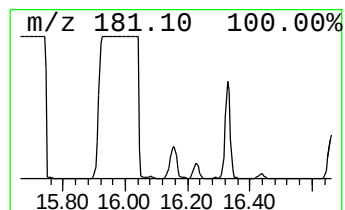
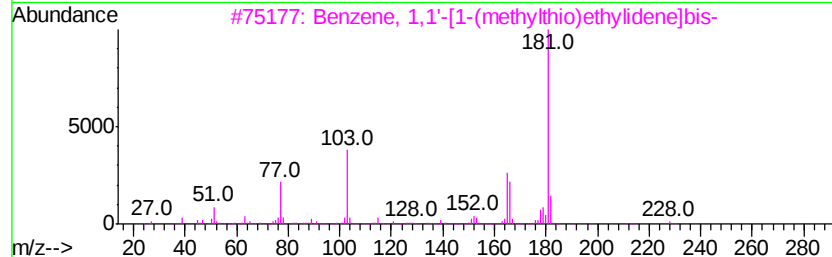
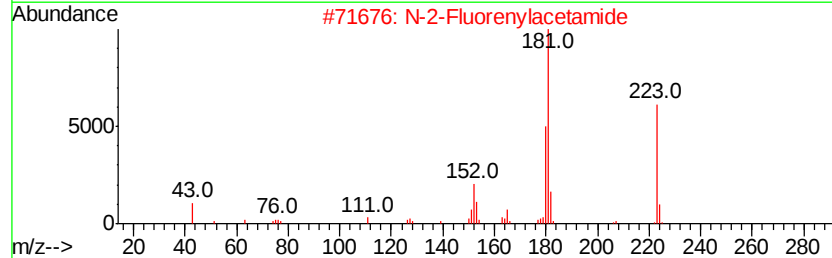
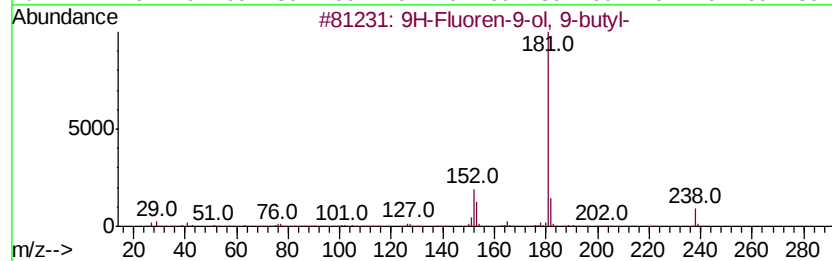
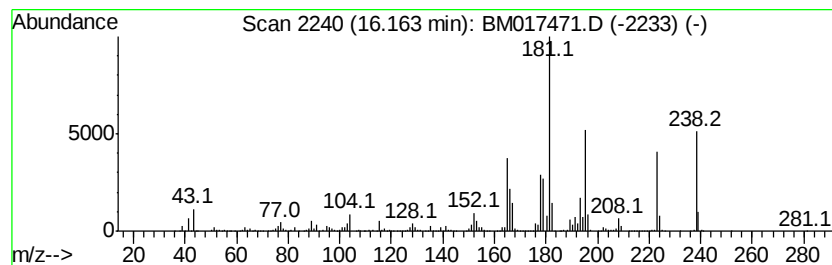
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD			R.T.
16.16	8.15 ng/ul	17086000	Phenanthrene-d10			17.06
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol, 9-butyl-		238	C17H18O	005806-10-0	41
2	N-2-Fluorenylacacetamide		223	C15H13NO	000053-96-3	41
3	Benzene, 1,1'-[1-(methylthio)eth...		228	C15H16S	054851-63-7	35
4	1,11,11-Trimethyl-1,2,3,4-tetra...		238	C16H18N2	1000210-51-9	30
5	8-Methyl-4-azafluorene		181	C13H11N	064292-00-8	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

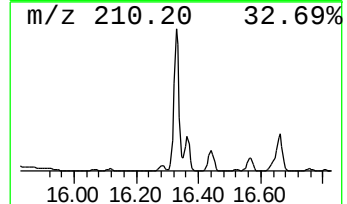
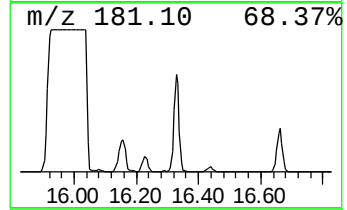
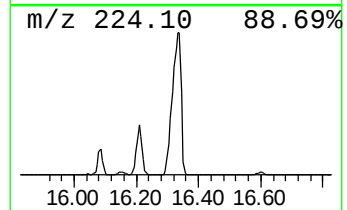
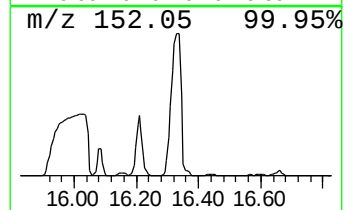
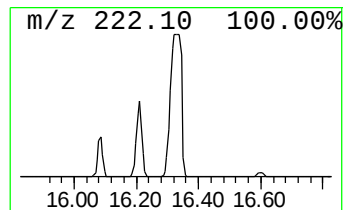
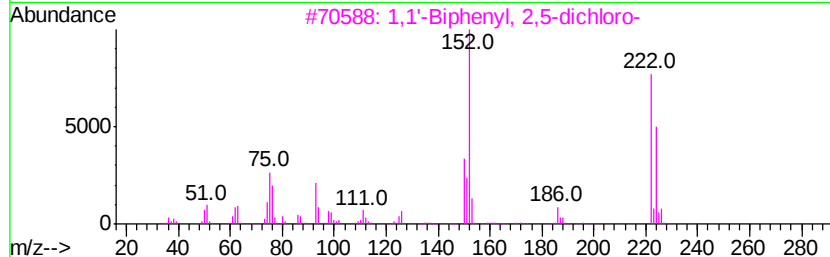
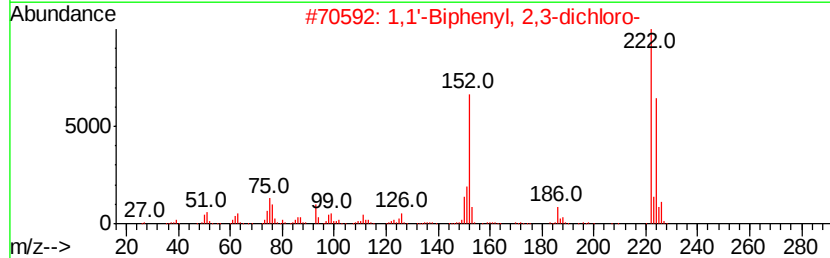
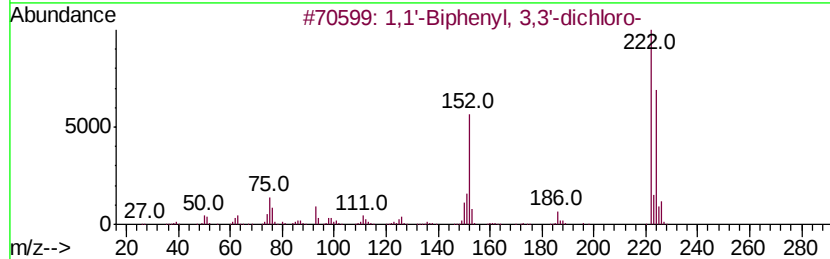
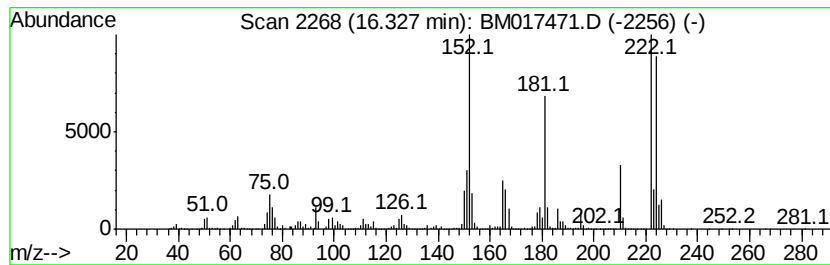
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.33	70.59 ng/ul	147962000	Phenanthrene-d10	17.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	3,3'-dichloro-	222	C12H8Cl2	002050-67-1	96
2	1,1'-Biphenyl,	2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
3	1,1'-Biphenyl,	2,5-dichloro-	222	C12H8Cl2	034883-39-1	90
4	1,1'-Biphenyl,	2,4-dichloro-	222	C12H8Cl2	033284-50-3	83
5	1,1'-Biphenyl,	4,4'-dichloro-	222	C12H8Cl2	002050-68-2	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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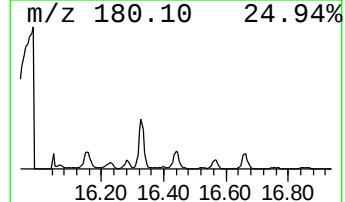
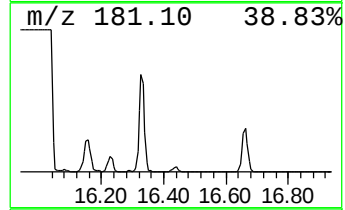
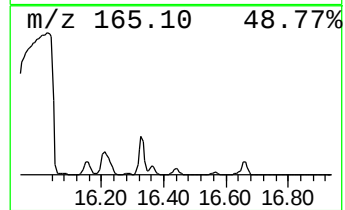
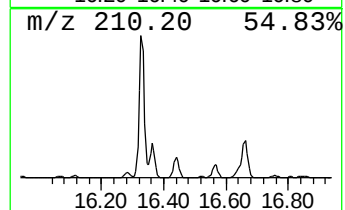
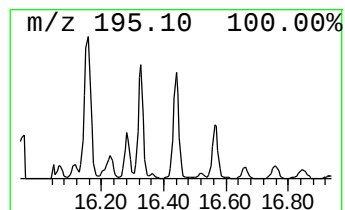
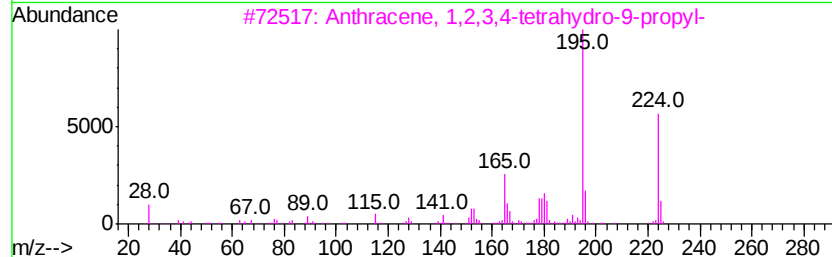
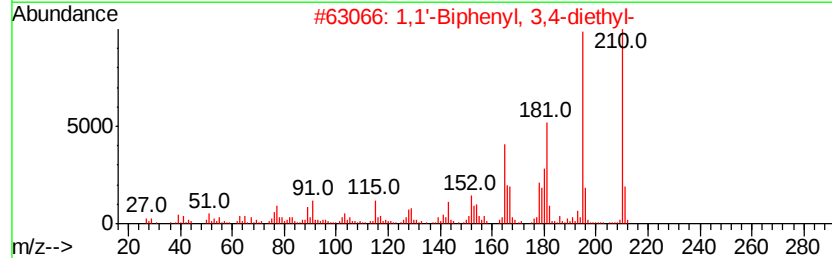
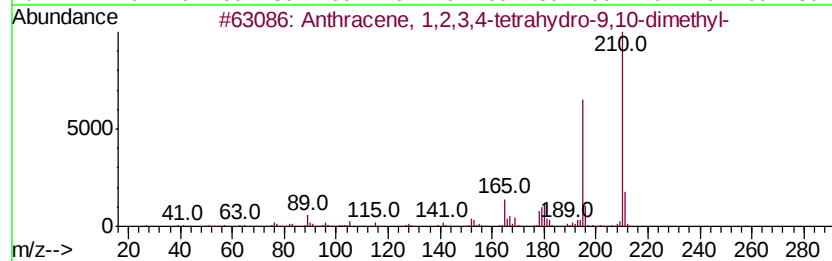
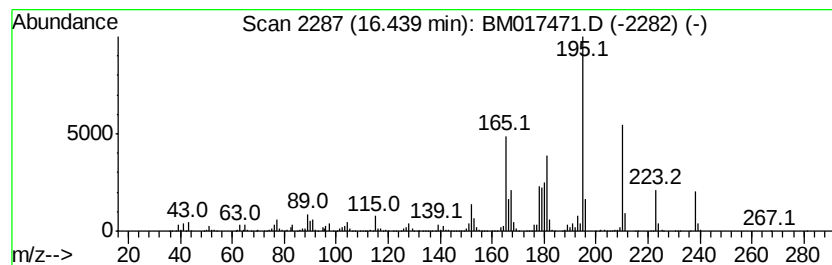
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.77 ng/ul	5799240	Phenanthrene-d10	17.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	91
2		1,1'-Biphenyl, 3,4-diethyl-	210	C16H18	061141-66-0	83
3		Anthracene, 1,2,3,4-tetrahydro-9...	224	C17H20	101580-33-0	64
4		Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	64
5		Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40G1

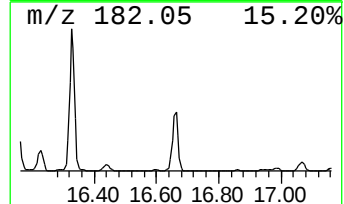
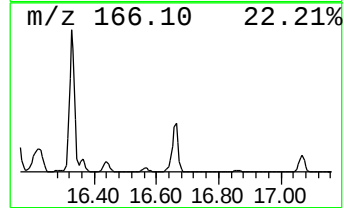
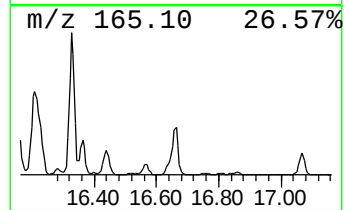
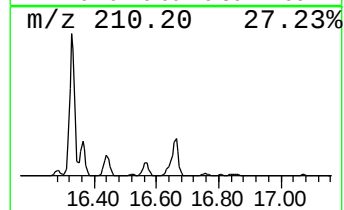
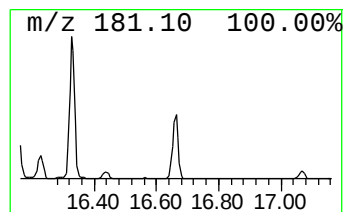
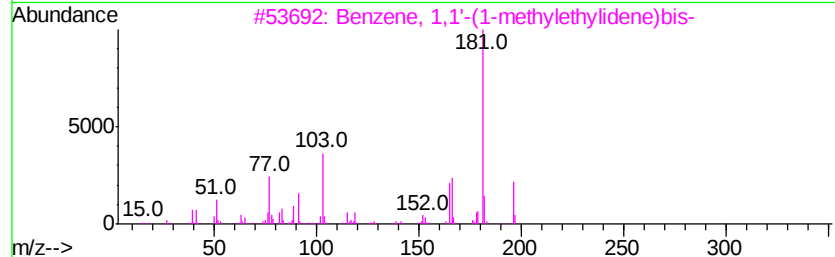
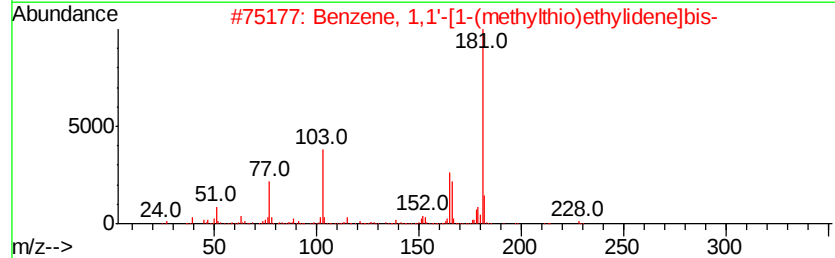
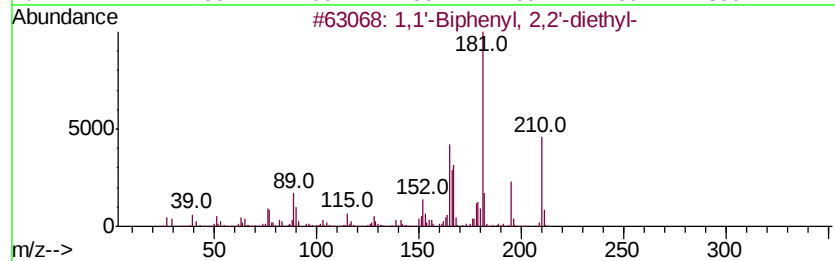
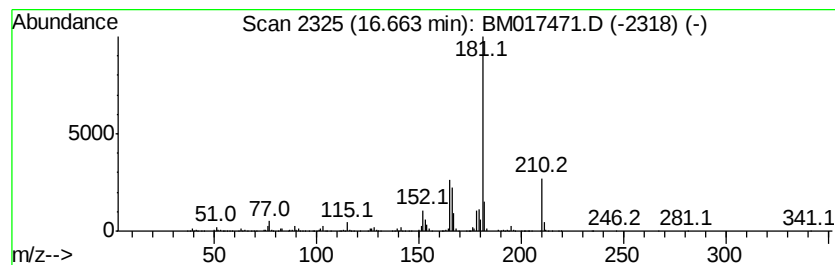
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,2'-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	5.98 ng/ul	12538100	Phenanthrene-d10	17.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2'-diethyl-	210	C16H18	013049-35-9	64
2		Benzene, 1,1'-[1-(methylthio)eth...	228	C15H16S	054851-63-7	64
3		Benzene, 1,1'-(1-methylthio)ethy...	196	C15H16	000778-22-3	64
4		Benzene, 1,1'-(1-methylthio)ethy...	196	C15H16	000778-22-3	64
5		Bifenthrin	422	C23H22ClF3O2	082657-04-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
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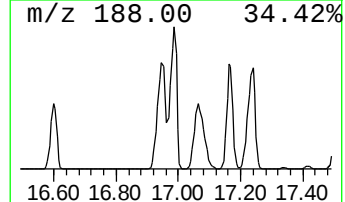
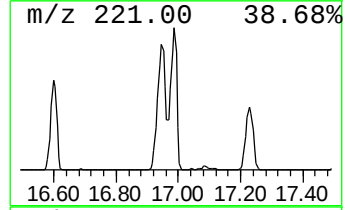
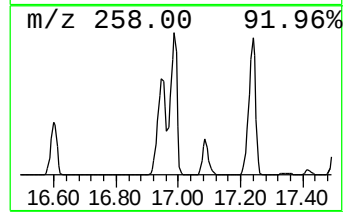
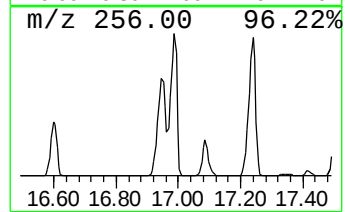
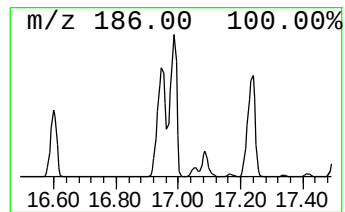
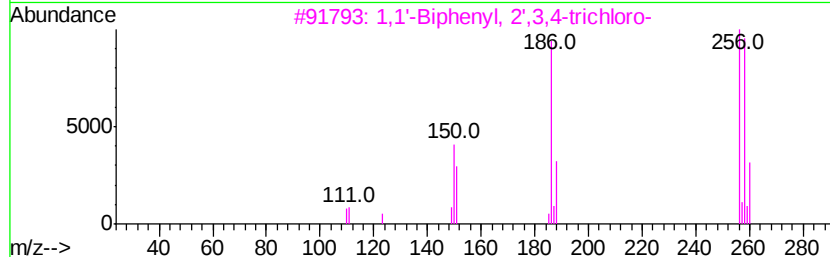
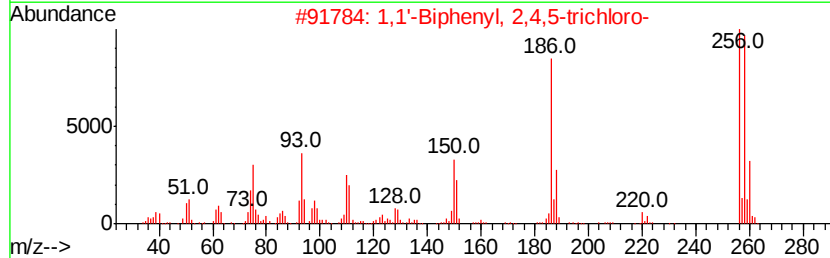
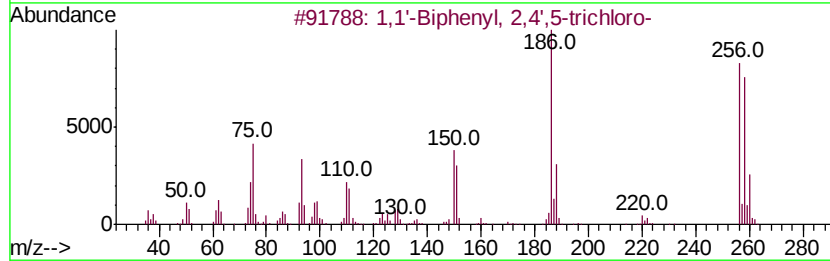
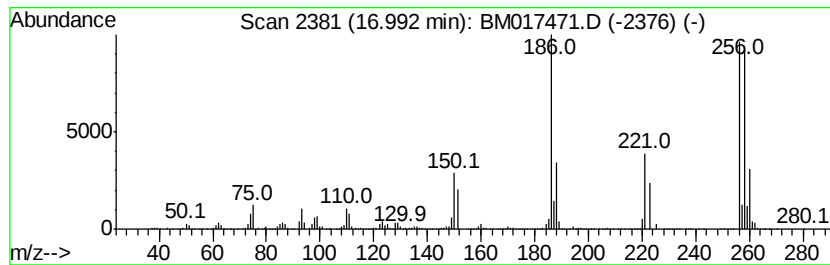
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.99	29.78 ng/ul	62420600	Phenanthrene-d10	17.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99	
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98	
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98	
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98	
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
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Sample : J5704-04
Misc :
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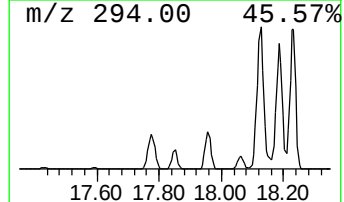
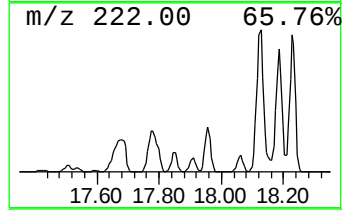
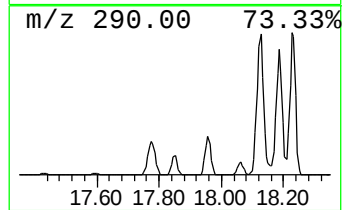
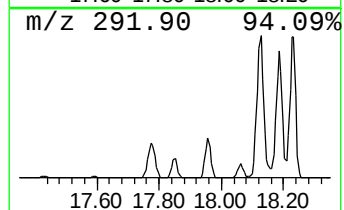
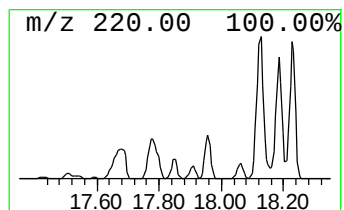
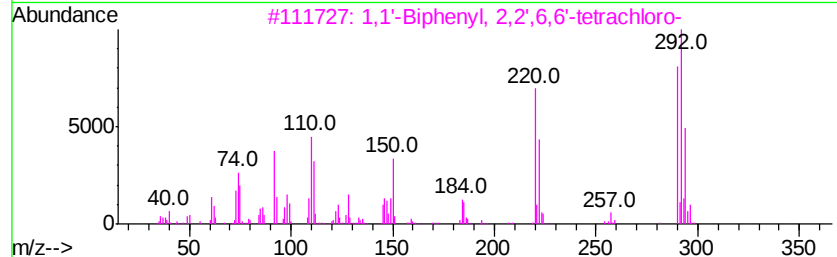
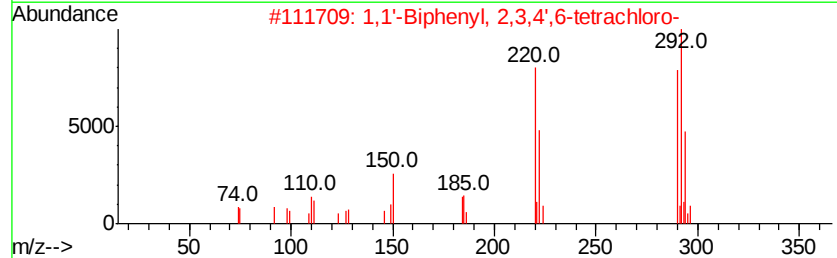
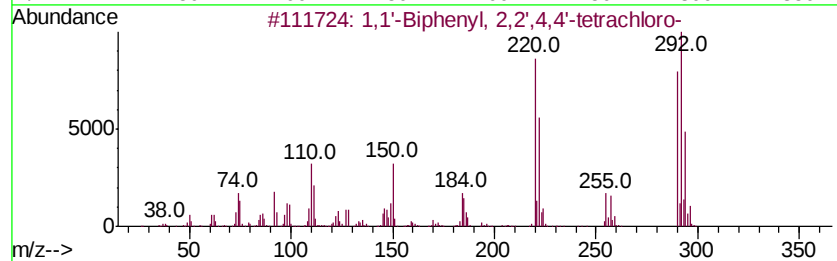
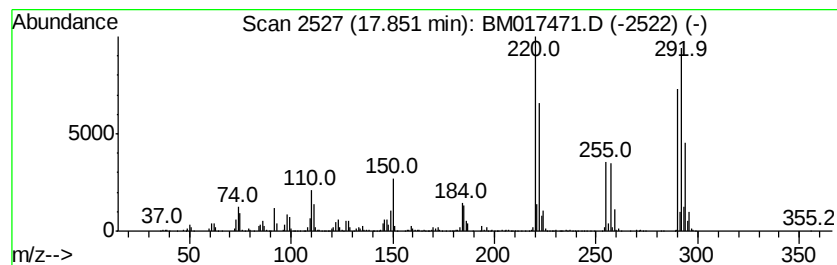
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.85	2.08 ng/ul	4370020	Phenanthrene-d10	17.06		
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	2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl	2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl	2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98



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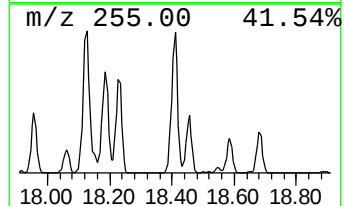
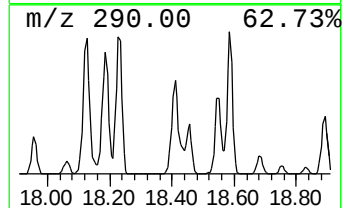
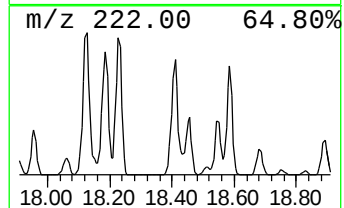
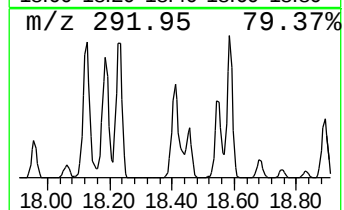
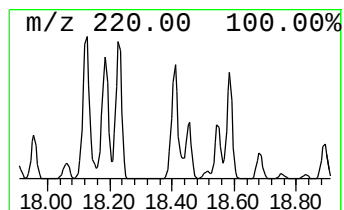
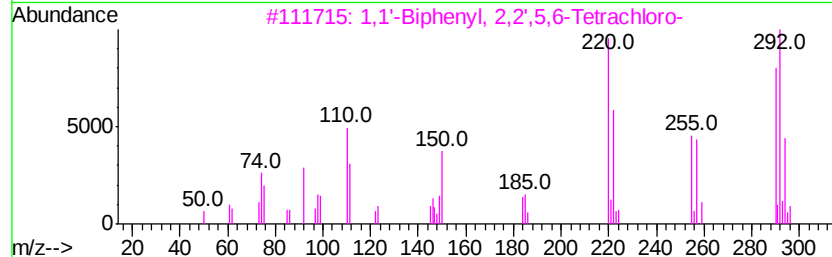
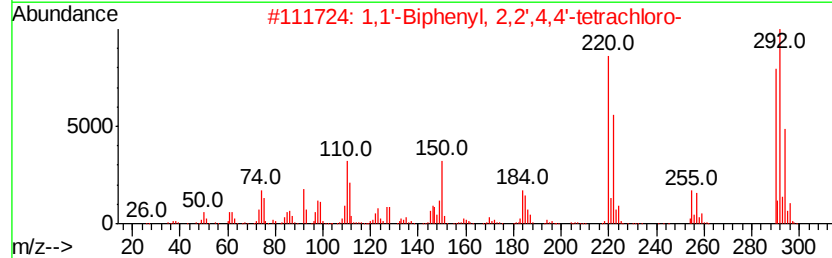
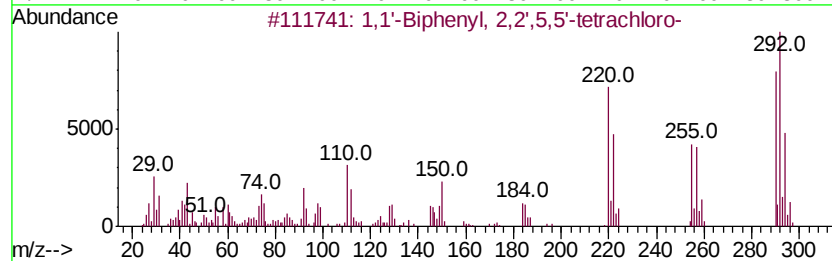
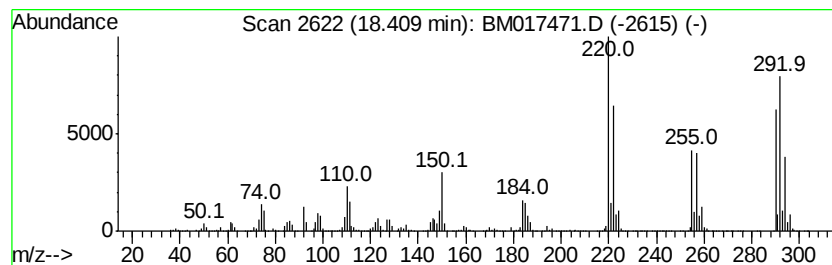
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	15.22 ng/ul	31902000	Phenanthrene-d10	17.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2			1,1'-Biphenyl, 2,2',4,4'-tetrach...	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',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
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Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

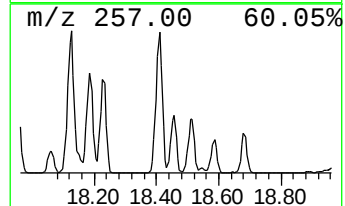
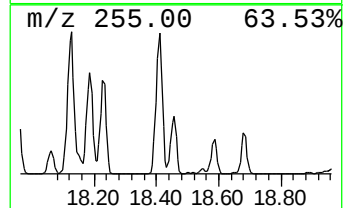
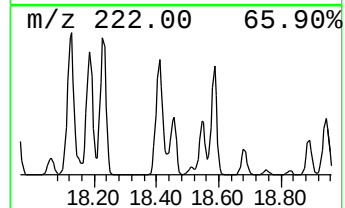
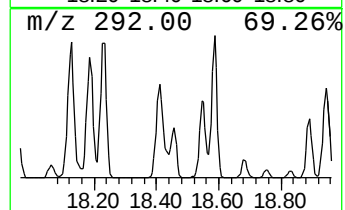
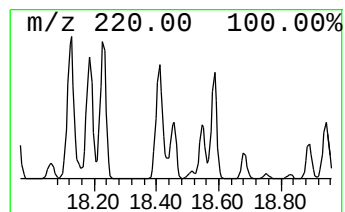
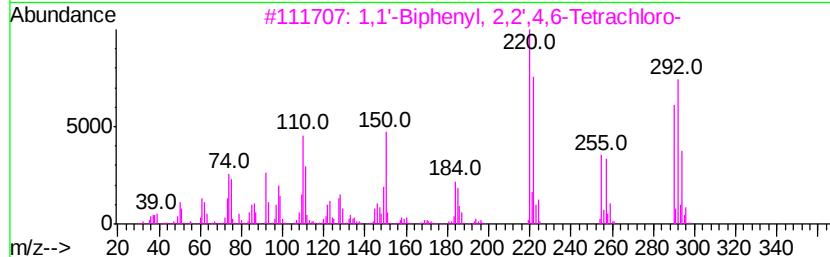
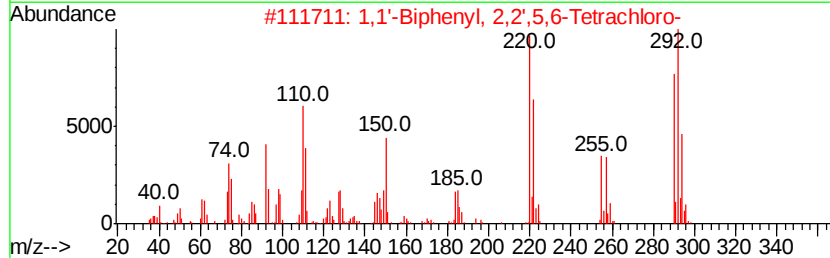
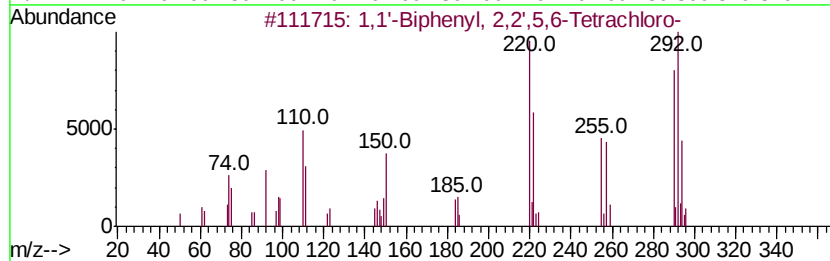
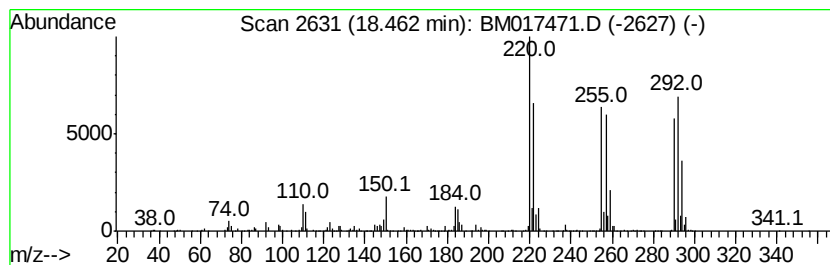
Instrument :
BNA_M
ClientSampleId :
A40G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 39 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.46	5.41 ng/ul	11332600	Phenanthrene-d10	17.06		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99	
2	1,1'-Biphenyl, 2,2',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, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99	
5	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\
Data File : BM017471.D
Acq On : 01 Nov 2018 18:36
Operator : MJ/SJ
Sample : J5704-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

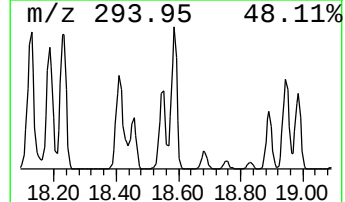
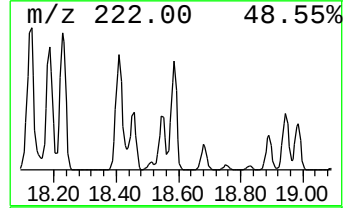
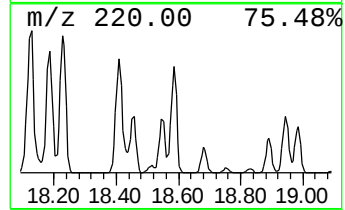
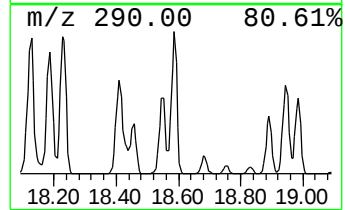
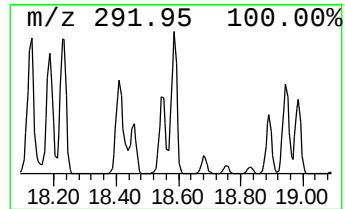
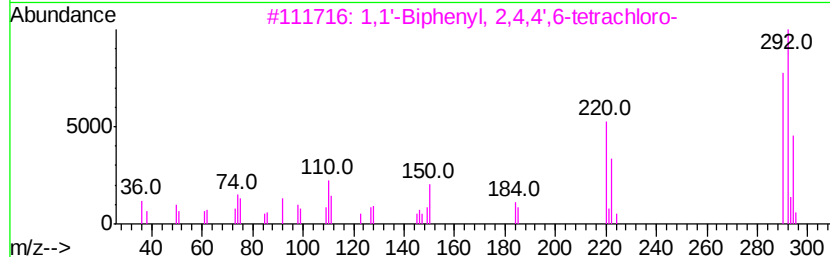
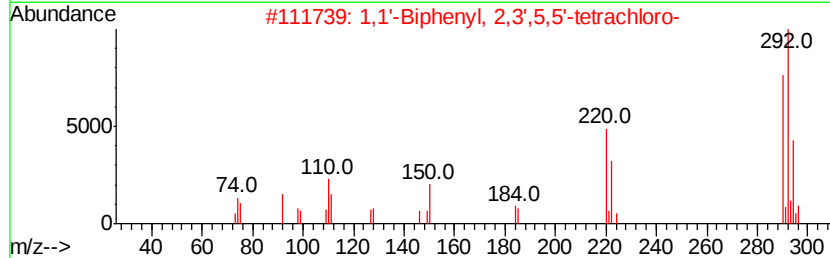
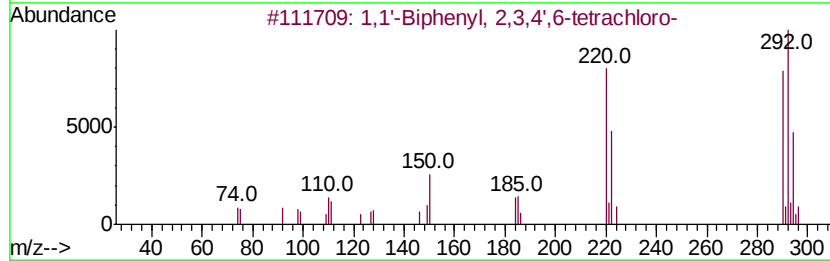
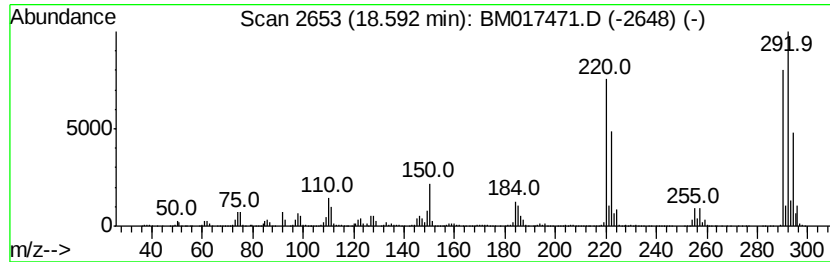
Instrument :
BNA_M
ClientSampleId :
A40G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 42 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.59	11.66 ng/ul	24450200	Phenanthrene-d10	17.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM110118\
 Data File : BM017471.D
 Acq On : 01 Nov 2018 18:36
 Operator : MJ/SJ
 Sample : J5704-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.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
Azetidine-2-one, ...	12.63	14.8	ng/ul	5347680	3	14.29	7245670	20.0
(DEL) Alkane: Cyc...	12.69	22.9	ng/ul	8300090	3	14.29	7245670	20.0
(DEL) Alkane: Cyc...	12.75	2.7	ng/ul	968870	3	14.29	7245670	20.0
(DEL) Alkane: Cyc...	12.77	4.9	ng/ul	1760010	3	14.29	7245670	20.0
(DEL) Alkane: Cyc...	12.93	20.1	ng/ul	7288140	3	14.29	7245670	20.0
Cyclobutanecarbox...	12.96	5.8	ng/ul	2106710	3	14.29	7245670	20.0
(DEL) Alkane: Str...	14.20	3.5	ng/ul	1254470	3	14.29	7245670	20.0
Butylated Hydroxy...	14.34	312.4	ng/ul	113185000	3	14.29	7245670	20.0
1,1'-Biphenyl, 4-...	14.38	12.2	ng/ul	4405700	3	14.29	7245670	20.0
1,1'-Biphenyl, 4-...	14.42	32.2	ng/ul	11658000	3	14.29	7245670	20.0
Diethylene glycol...	14.62	3.5	ng/ul	1279800	3	14.29	7245670	20.0
Naphthalene, 1-me...	15.07	3.9	ng/ul	1402890	3	14.29	7245670	20.0
1,1'-Biphenyl, 2-...	15.14	70.6	ng/ul	25582400	3	14.29	7245670	20.0
9H-Fluorene, 9-me...	15.51	102.7	ng/ul	37218900	3	14.29	7245670	20.0
1,1'-Biphenyl, 4-...	15.70	316.5	ng/ul	663526000	4	17.06	41923700	20.0
1,1'-Biphenyl, 3-...	15.98	143.4	ng/ul	300647000	4	17.06	41923700	20.0
unknown-01	16.16	8.2	ng/ul	17086000	4	17.06	41923700	20.0
1,1'-Biphenyl, 3,...	16.33	70.6	ng/ul	147962000	4	17.06	41923700	20.0
Anthracene, 1,2,3...	16.44	2.8	ng/ul	5799240	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	16.66	6.0	ng/ul	12538100	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	16.99	29.8	ng/ul	62420600	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	17.85	2.1	ng/ul	4370020	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	18.41	15.2	ng/ul	31902000	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	18.46	5.4	ng/ul	11332600	4	17.06	41923700	20.0
1,1'-Biphenyl, 2,...	18.59	11.7	ng/ul	24450200	4	17.06	41923700	20.0