

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
 Data File : BN005477.D
 Acq On : 04 May 2019 06:27
 Operator : JU/SJ
 Sample : K2602-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFH59

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_N\METHODS\SOM-EPA-BN041919MA.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	3.699	118	121	127	rVB2	42884	54470	0.11%	0.038%
2	6.775	638	644	656	rVB	555532	949972	1.86%	0.663%
3	6.940	666	672	686	rVB	422834	692100	1.36%	0.483%
4	7.128	698	704	715	rBV	569389	903077	1.77%	0.631%
5	7.593	776	783	790	rBV	993366	1642371	3.22%	1.147%
6	8.293	895	902	913	rBV	697926	1182701	2.32%	0.826%
7	8.734	969	977	988	rBV	595378	1018512	2.00%	0.711%
8	9.446	1089	1098	1113	rBV	502699	867967	1.70%	0.606%
9	9.981	1180	1189	1203	rBV	738179	1387005	2.72%	0.969%
10	10.352	1244	1252	1265	rBV	1489135	2455584	4.81%	1.715%
11	10.493	1268	1276	1292	rBV	539022	1077136	2.11%	0.752%
12	13.640	1805	1811	1815	rBV	1604982	2213274	4.34%	1.546%
13	13.687	1815	1819	1831	rVB	600664	834222	1.63%	0.583%
14	13.910	1851	1857	1868	rBV	1769507	2705175	5.30%	1.889%
15	14.222	1903	1910	1921	rBV2	2141145	3315322	6.50%	2.315%
16	14.446	1942	1948	1969	rBV	364060	899921	1.76%	0.629%
17	15.222	2074	2080	2091	rBV	2277323	3382104	6.63%	2.362%
18	15.363	2097	2104	2115	rBV	395698	685837	1.34%	0.479%
19	16.981	2372	2379	2389	rBV2	2583360	4070064	7.98%	2.843%
20	17.075	2389	2395	2408	rVB2	2366850	3464054	6.79%	2.419%
21	17.898	2530	2535	2552	rVV	615500	1142192	2.24%	0.798%
22	18.916	2704	2708	2718	rVB4	170521	261064	0.51%	0.182%
23	19.051	2728	2731	2740	rBV	71221	151745	0.30%	0.106%
24	19.128	2741	2744	2747	rVB5	42120	52798	0.10%	0.037%
25	19.204	2751	2757	2764	rBV2	485714	843005	1.65%	0.589%
26	19.392	2783	2789	2798	rBV	2812107	3962053	7.76%	2.767%
27	19.545	2813	2815	2821	rVB6	50865	67085	0.13%	0.047%
28	19.634	2827	2830	2832	rBV2	139764	181596	0.36%	0.127%
29	19.657	2832	2834	2843	rVB	152091	175198	0.34%	0.122%
30	19.781	2850	2855	2860	rBV2	363688	469941	0.92%	0.328%
31	19.828	2860	2863	2870	rVB2	150281	246380	0.48%	0.172%
32	19.922	2874	2879	2885	rVV	1002094	1213999	2.38%	0.848%
33	19.975	2885	2888	2893	rVB4	98919	120795	0.24%	0.084%
34	20.051	2898	2901	2906	rVB7	46640	62003	0.12%	0.043%

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35	20.128	2910	2914	2920	rVB2	175078	229847	0.45%	0.161%
36	20.204	2923	2927	2932	rBV	1168585	1418645	2.78%	0.991%
37	20.257	2932	2936	2940	rBV	252577	311114	0.61%	0.217%
38	20.363	2949	2954	2960	rBV3	401027	646980	1.27%	0.452%
39	20.463	2967	2971	2975	rBV2	122571	236034	0.46%	0.165%
40	20.528	2975	2982	2988	rVV	692501	1320478	2.59%	0.922%
41	20.581	2988	2991	2995	rVV3	131669	150609	0.30%	0.105%
42	20.639	2998	3001	3004	rVV2	102584	132284	0.26%	0.092%
43	20.675	3004	3007	3012	rVB	728046	858192	1.68%	0.599%
44	20.739	3014	3018	3022	rBV	295176	345509	0.68%	0.241%
45	20.839	3031	3035	3038	rBV4	102817	151920	0.30%	0.106%
46	20.875	3039	3041	3044	rVB4	74098	65512	0.13%	0.046%
47	20.945	3047	3053	3059	rVV3	1212447	1960323	3.84%	1.369%
48	21.004	3060	3063	3069	rVV4	371876	550581	1.08%	0.385%
49	21.063	3070	3073	3076	rVV4	118019	168870	0.33%	0.118%
50	21.104	3077	3080	3081	rVV	113032	119211	0.23%	0.083%
51	21.157	3082	3089	3093	rVV	37509292	51034303	100.00%	35.642%
52	21.210	3093	3098	3101	rVV	2471625	3561030	6.98%	2.487%
53	21.239	3101	3103	3108	rVB3	1304177	1430412	2.80%	0.999%
54	21.363	3121	3124	3125	rBV	292100	277729	0.54%	0.194%
55	21.386	3125	3128	3134	rVB	705277	891967	1.75%	0.623%
56	21.557	3152	3157	3163	rVB3	489072	718886	1.41%	0.502%
57	21.610	3163	3166	3169	rBV2	313791	410275	0.80%	0.287%
58	21.639	3169	3171	3174	rVV2	115519	124116	0.24%	0.087%
59	21.739	3186	3188	3194	rVB2	181392	209034	0.41%	0.146%
60	21.822	3198	3202	3213	rVV	1049521	1412334	2.77%	0.986%
61	21.986	3227	3230	3233	rVB	199924	206782	0.41%	0.144%
62	22.239	3269	3273	3275	rBV4	181902	257341	0.50%	0.180%
63	22.275	3275	3279	3285	rVB	863789	1188865	2.33%	0.830%
64	22.775	3359	3364	3369	rBV	1701408	2435577	4.77%	1.701%
65	23.275	3443	3449	3454	rBV2	1470196	2656075	5.20%	1.855%
66	23.327	3454	3458	3464	rVB	966584	1520036	2.98%	1.062%
67	23.410	3466	3472	3480	rVB	1641831	3017978	5.91%	2.108%
68	23.957	3559	3565	3572	rVB	1150865	2088323	4.09%	1.458%
69	24.039	3574	3579	3593	rVV	678997	1553940	3.04%	1.085%
70	24.680	3683	3688	3696	rVB	479987	1010205	1.98%	0.706%
71	25.110	3755	3761	3769	rVB2	822695	1864594	3.65%	1.302%

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72	25.527	3825	3832	3846	rVB2	595957	1744344	3.42%	1.218%
73	25.663	3848	3855	3866	rVV2	885205	2538608	4.97%	1.773%
74	25.768	3868	3873	3892	rVB4	548916	1750303	3.43%	1.222%
75	26.057	3913	3922	3935	rVB2	1942572	5225965	10.24%	3.650%
76	26.368	3969	3975	3993	rVB5	530679	1668504	3.27%	1.165%
77	27.886	4228	4233	4245	rVB5	333390	970346	1.90%	0.678%

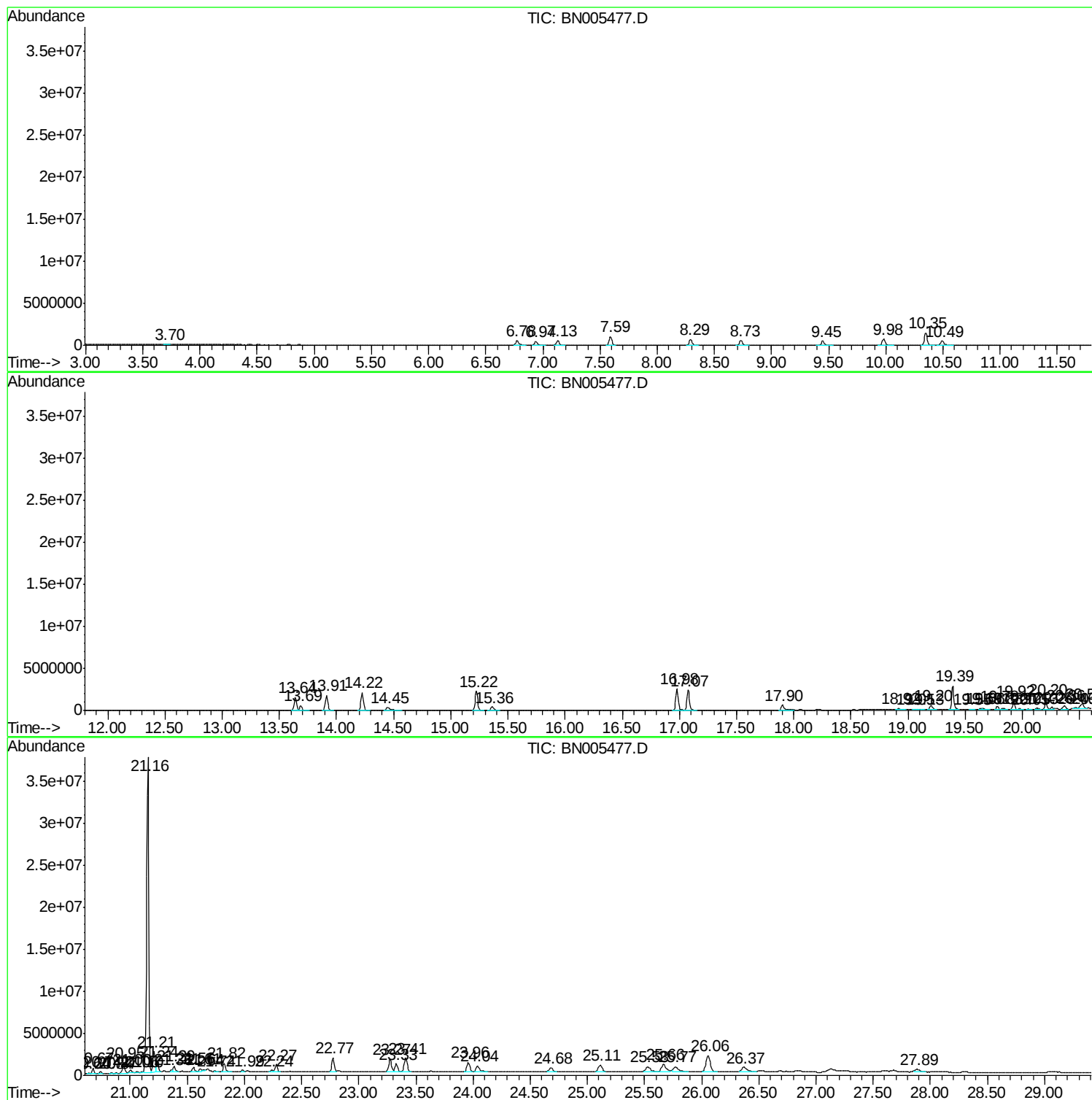
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



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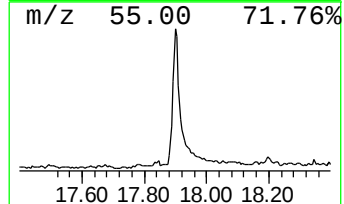
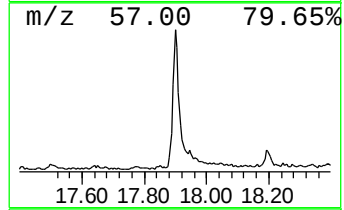
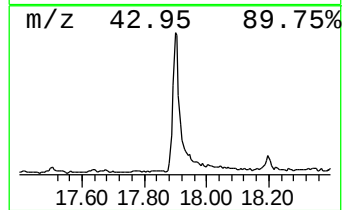
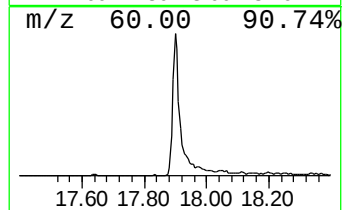
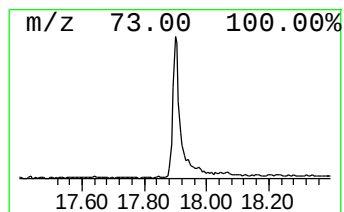
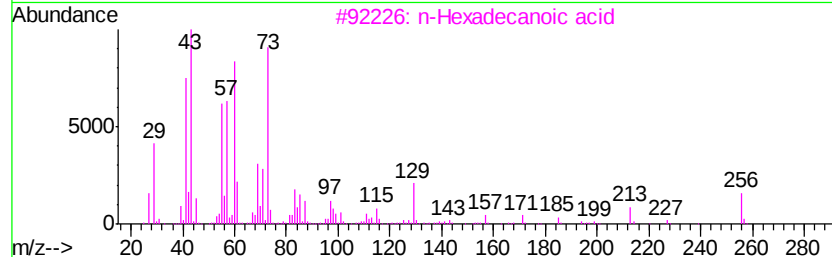
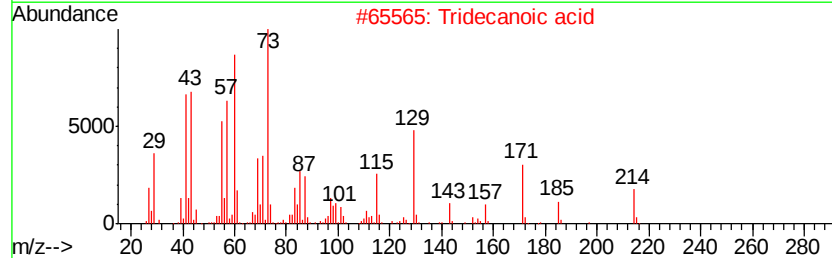
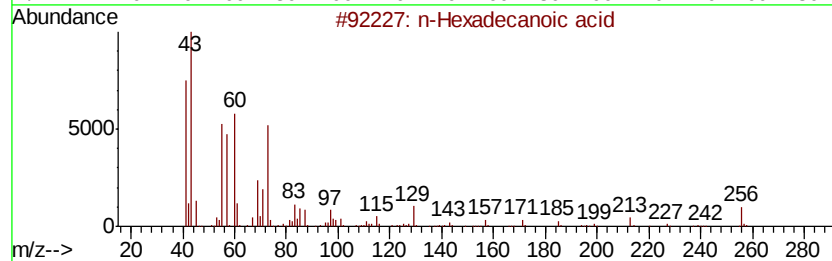
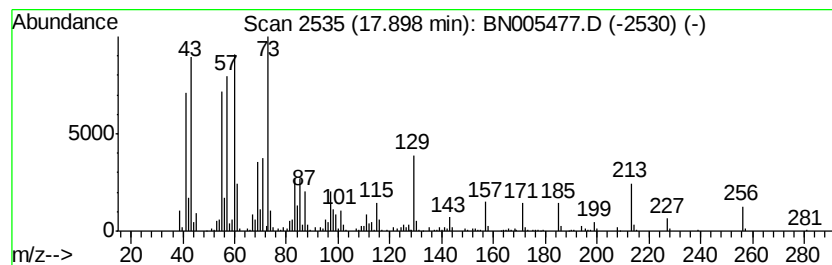
Instrument :
BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.90	5.61 ng/ul	1142190	Phenanthrene-d10		16.98	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	95
2	Tridecanoic acid		214	C13H26O2	000638-53-9	93
3	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	87
4	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	83
5	Tridecanoic acid		214	C13H26O2	000638-53-9	76



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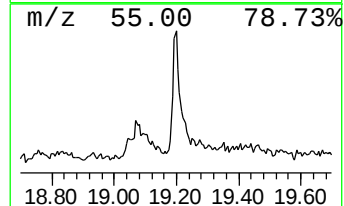
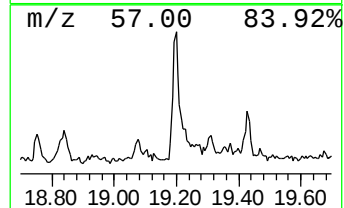
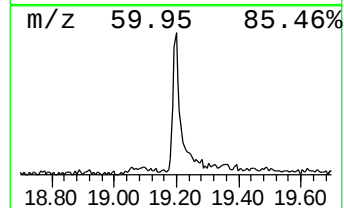
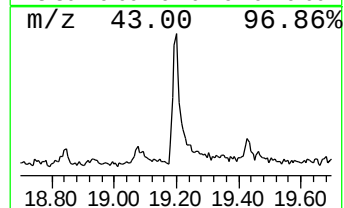
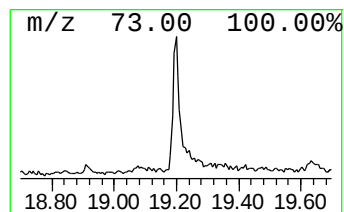
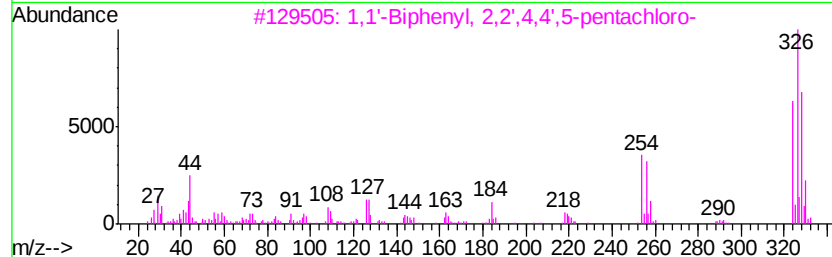
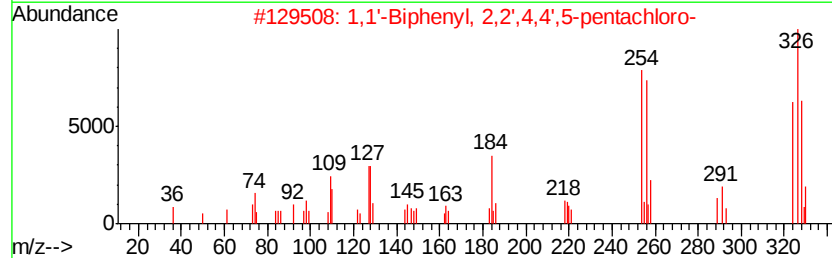
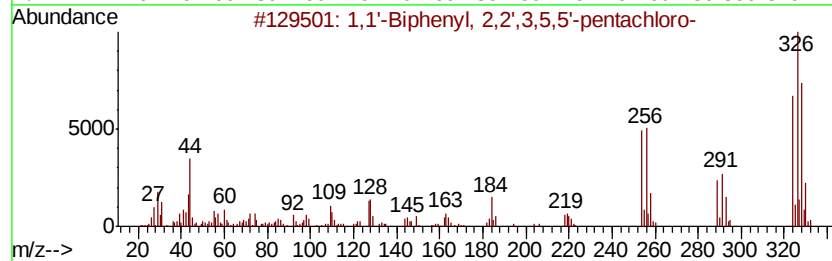
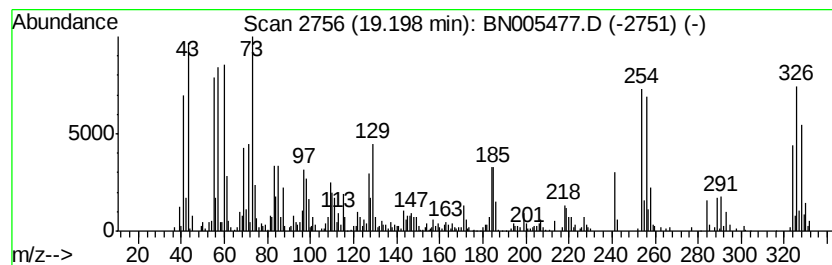
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	4.73 ng/ul	843005	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
2		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
3		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
4		1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	94
5		1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94



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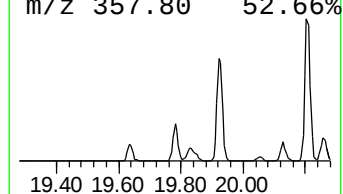
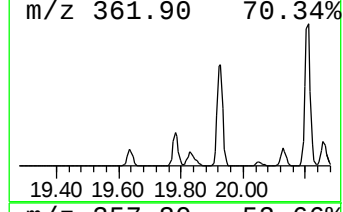
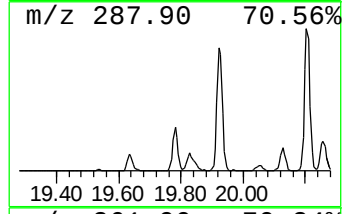
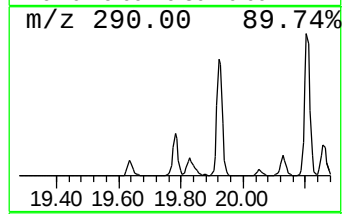
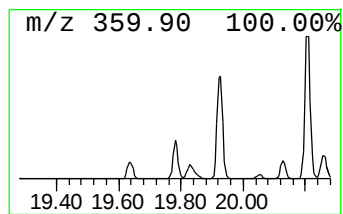
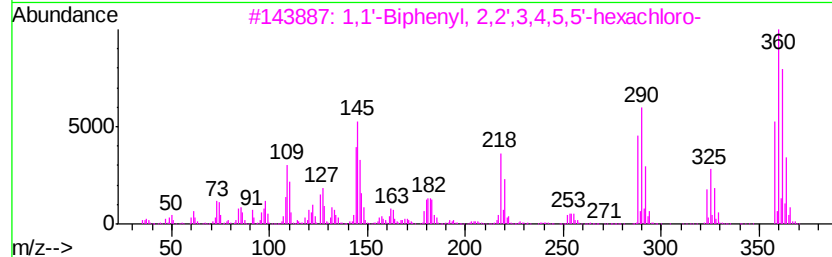
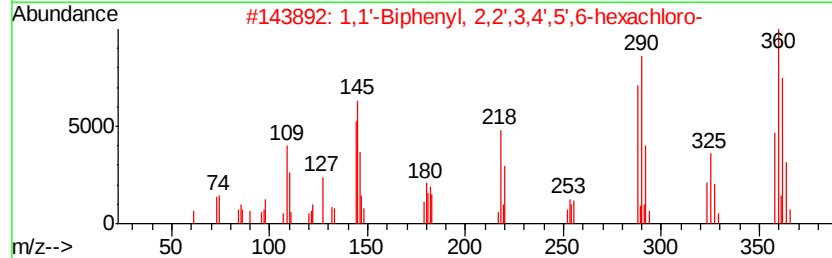
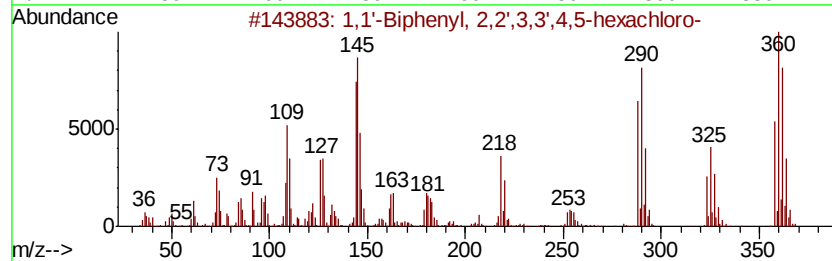
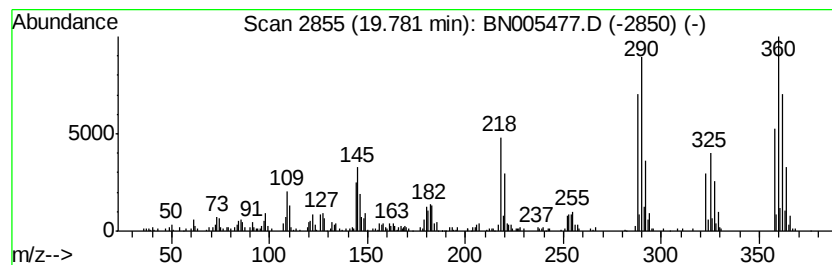
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	2.64 ng/ul	469941	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4		1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
5		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99



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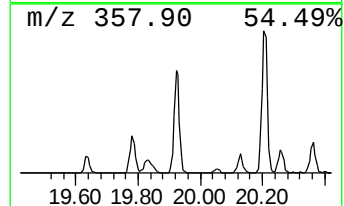
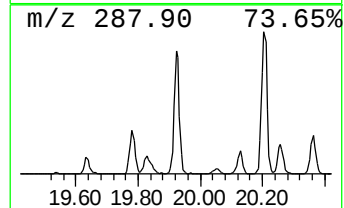
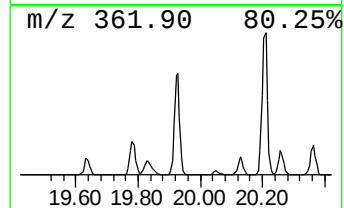
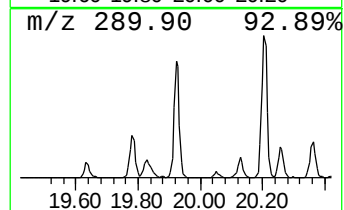
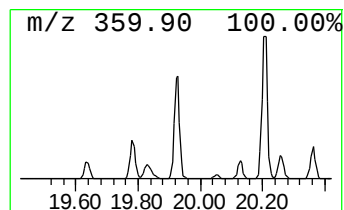
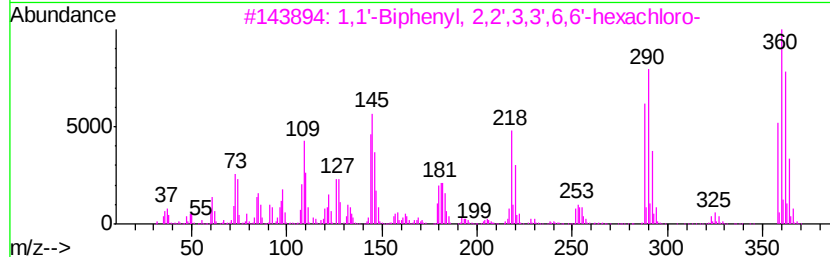
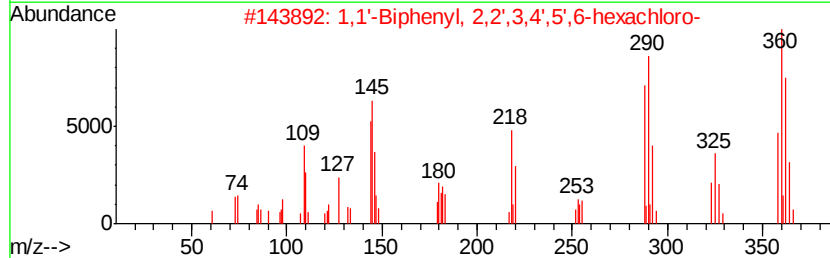
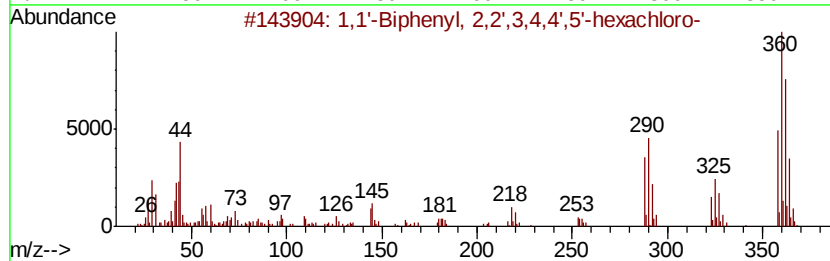
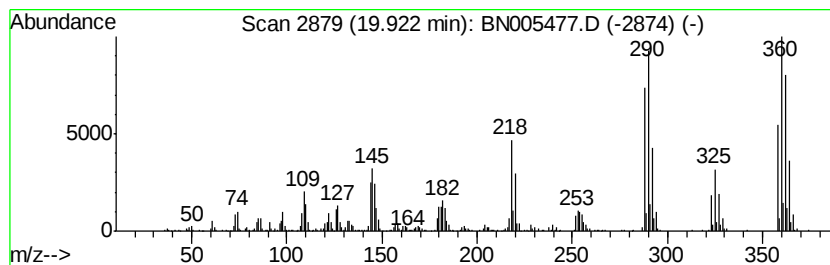
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	6.82 ng/ul	1214000	Chrysene-d12	21.21

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	99
2		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3		1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
4		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFH59

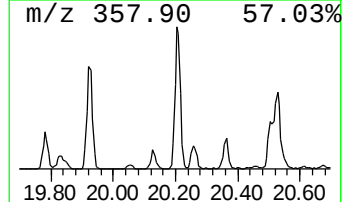
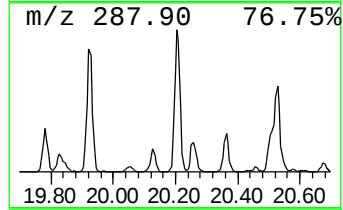
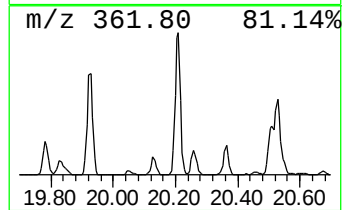
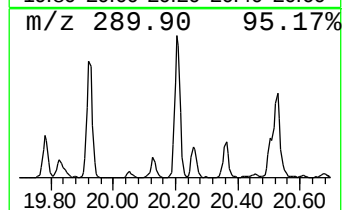
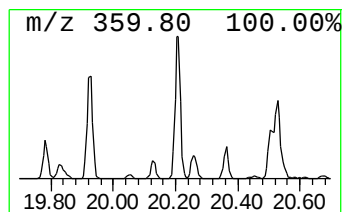
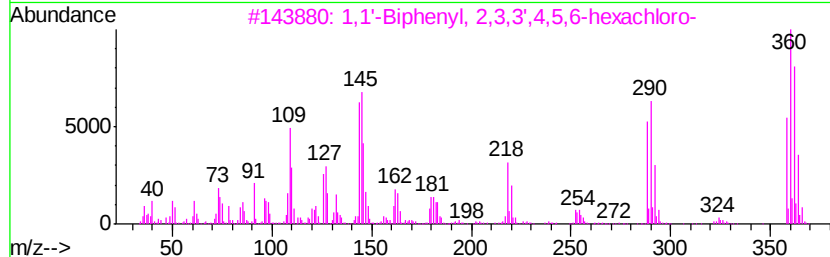
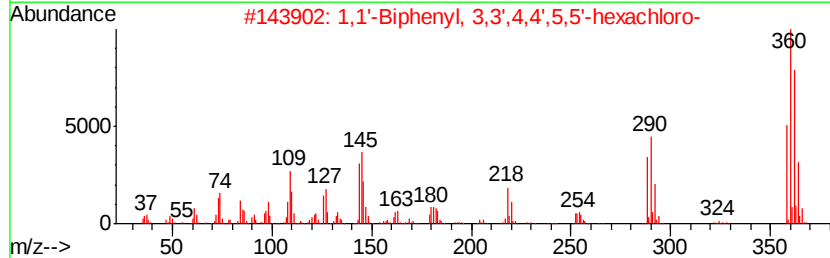
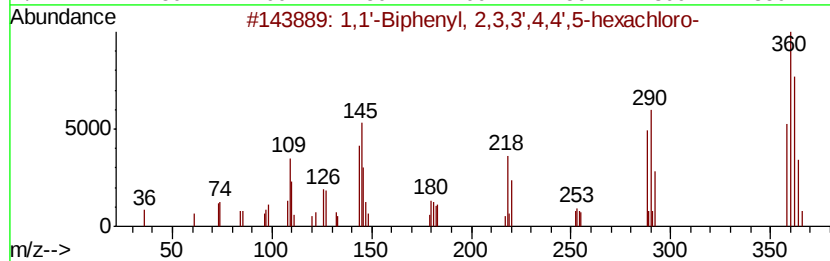
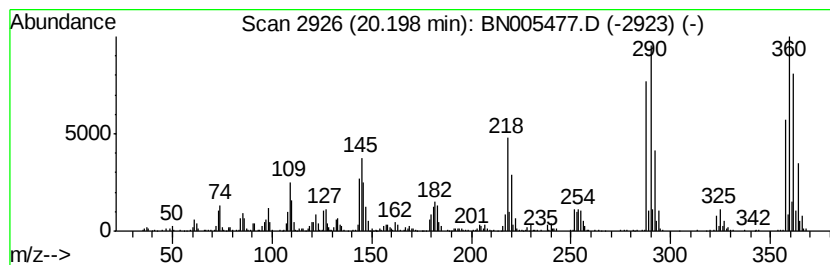
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	7.97 ng/ul	1418650	Chrysene-d12	21.21

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, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98
4		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
5		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

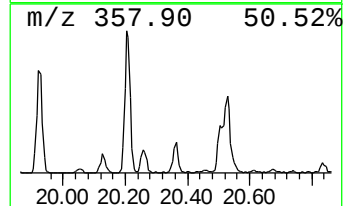
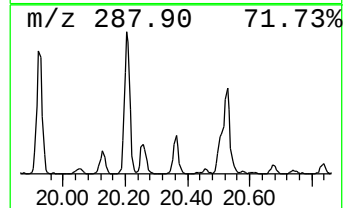
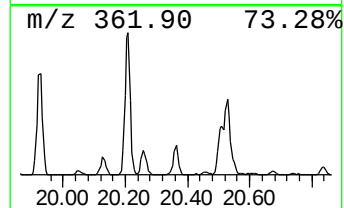
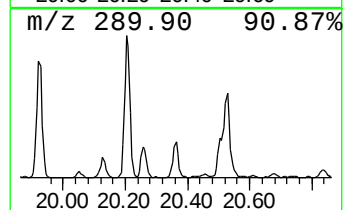
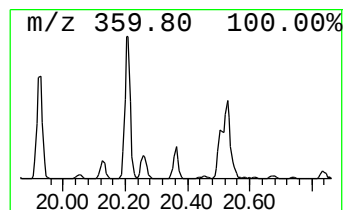
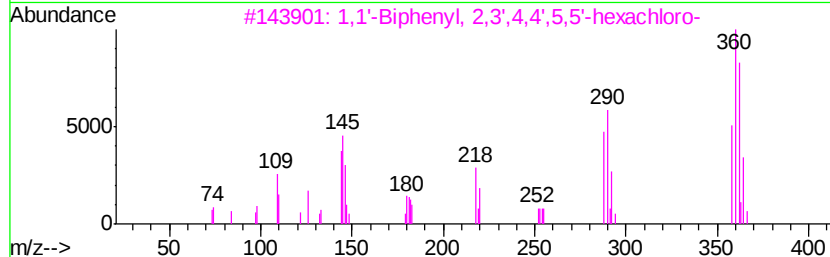
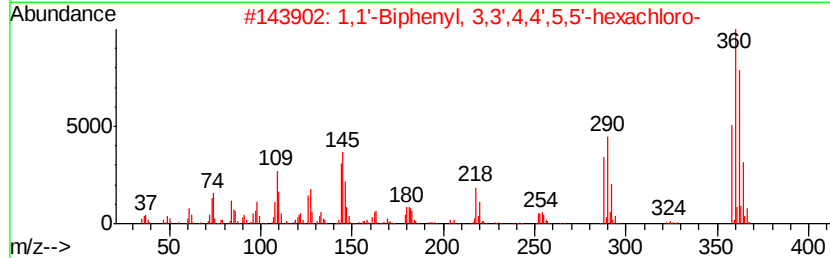
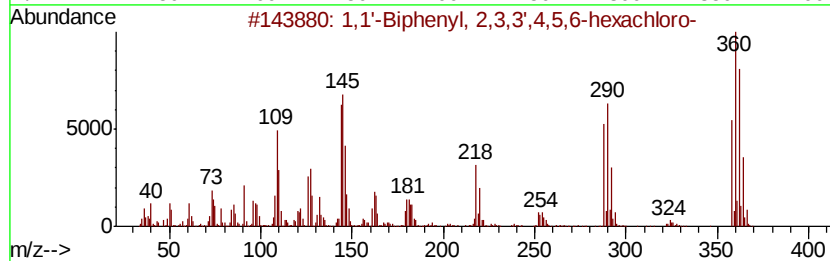
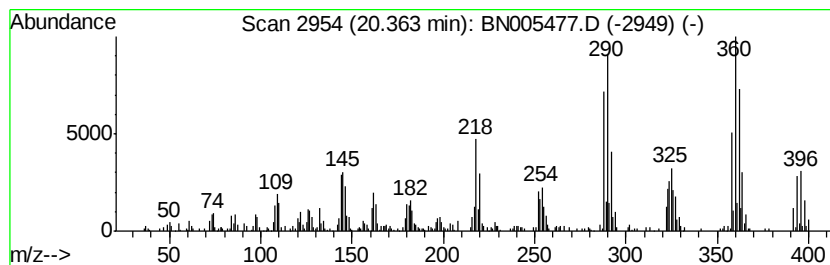
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.36	3.63 ng/ul	646980	Chrysene-d12	21.21		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
2	1,1'-Biphenyl,	3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl,	2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl,	2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl,	2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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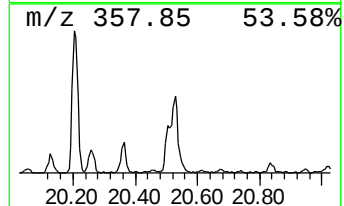
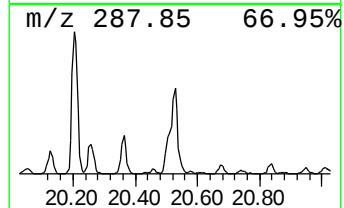
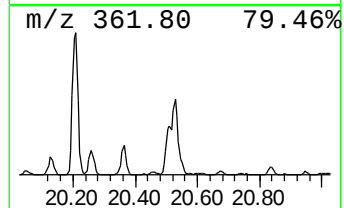
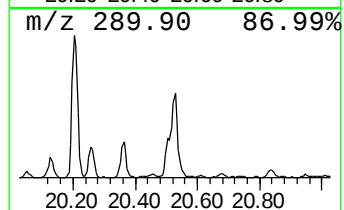
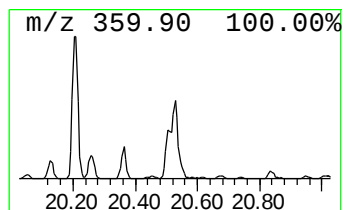
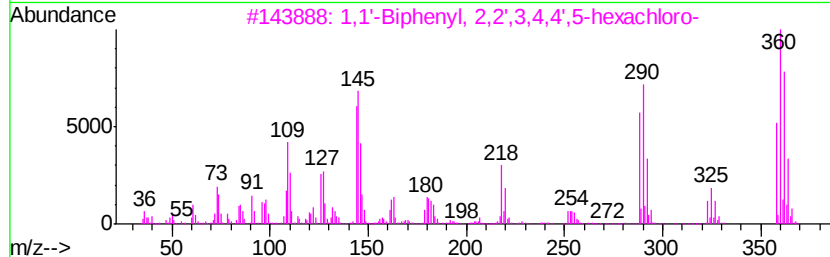
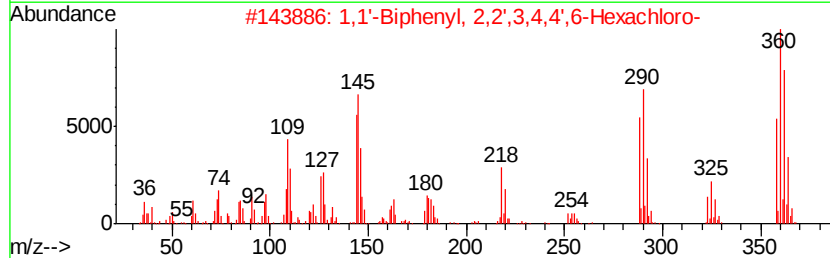
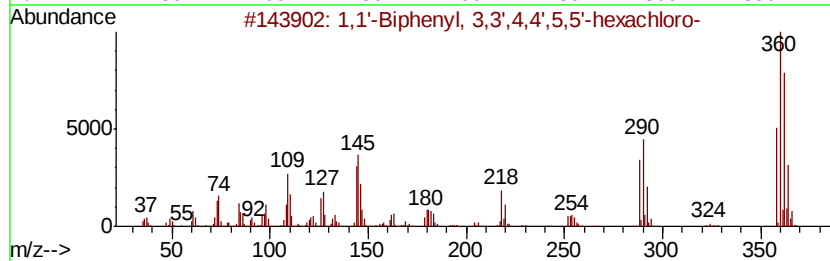
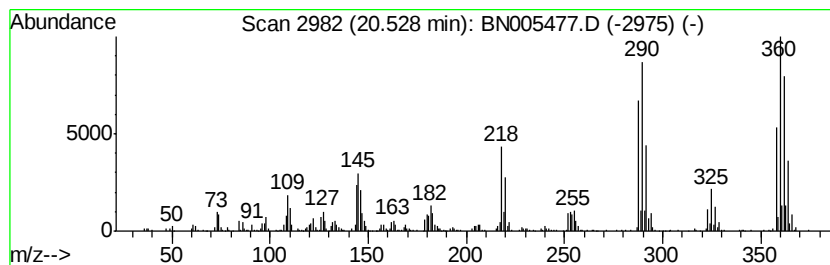
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	7.42 ng/ul	1320480	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
4		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98
5		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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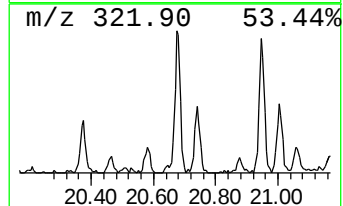
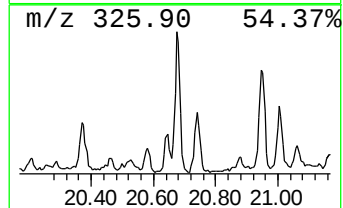
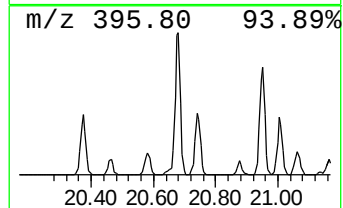
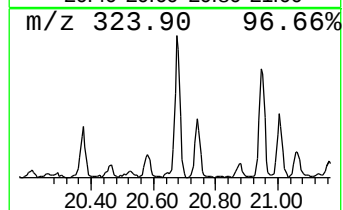
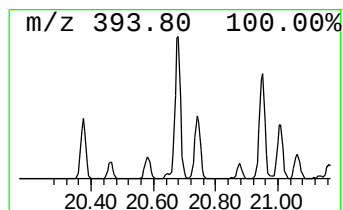
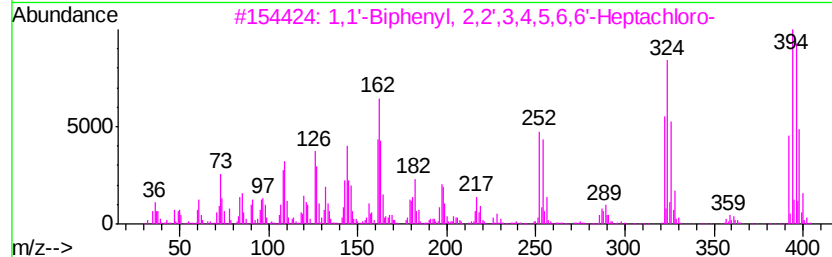
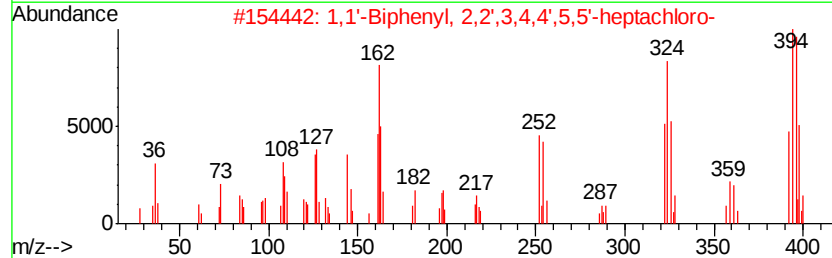
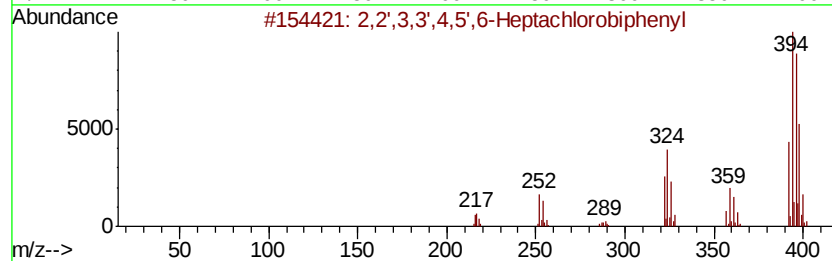
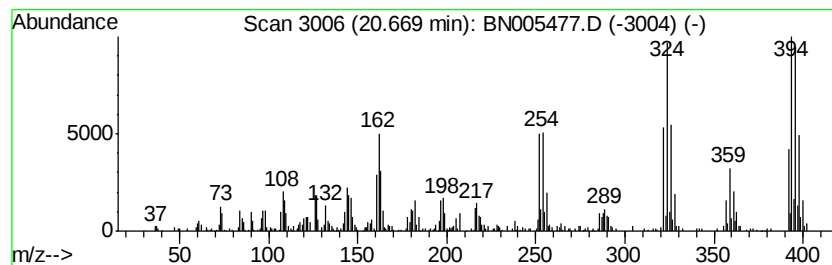
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	4.82 ng/ul	858192	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2		1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3		1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
4		1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
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Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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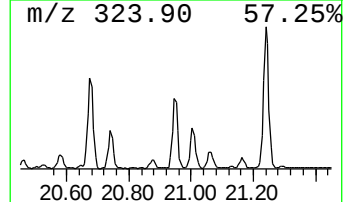
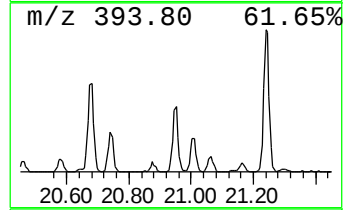
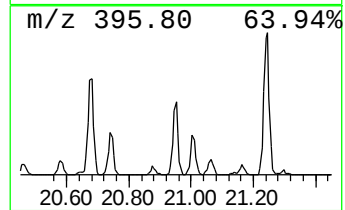
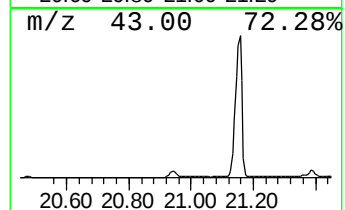
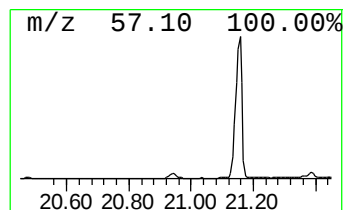
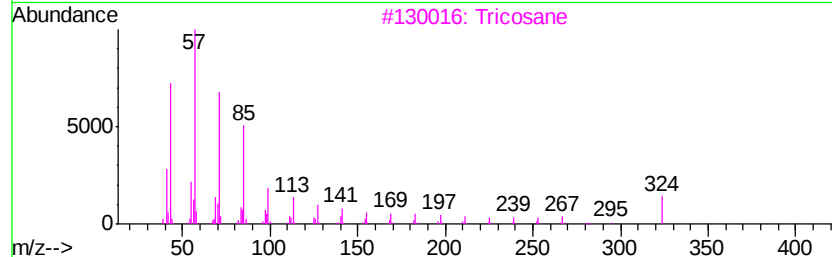
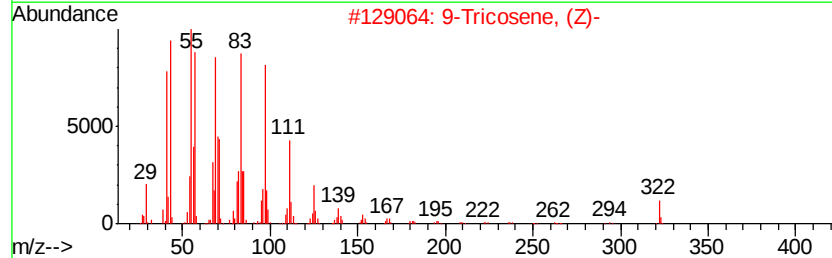
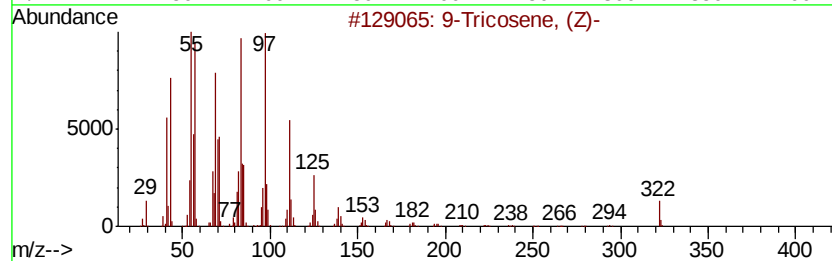
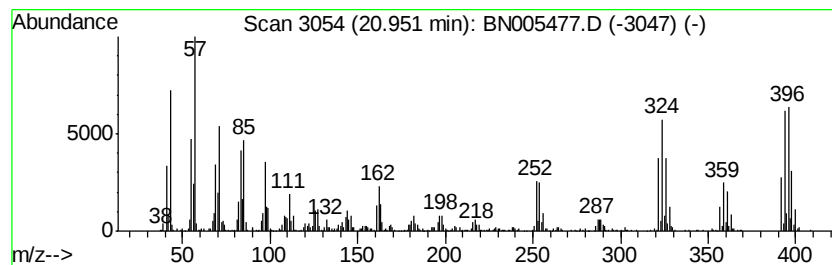
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic20.95 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	11.01 ng/ul	1960320	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	50
2		9-Tricosene, (Z)-	322	C23H46	027519-02-4	50
3		Tricosane	324	C23H48	000638-67-5	20
4		2-Methyldocosane	324	C23H48	001560-81-2	10
5		4-Methyl-Z-4-docosene	322	C23H46	1000131-17-0	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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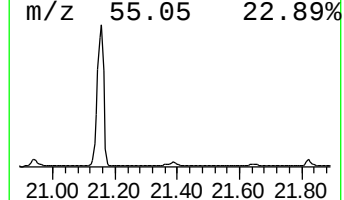
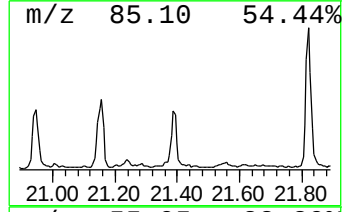
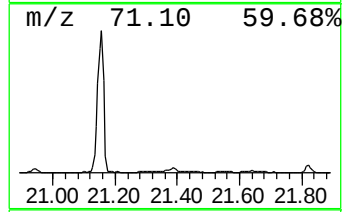
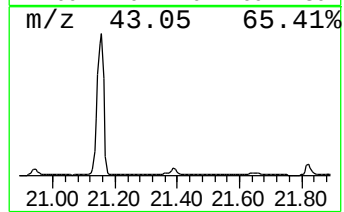
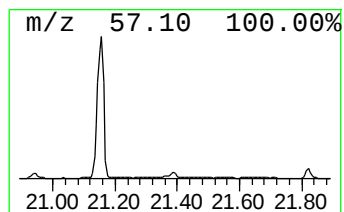
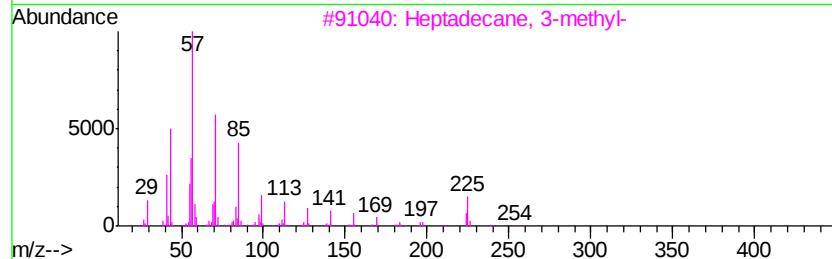
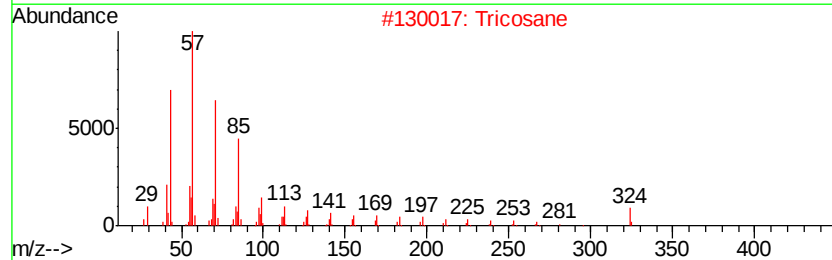
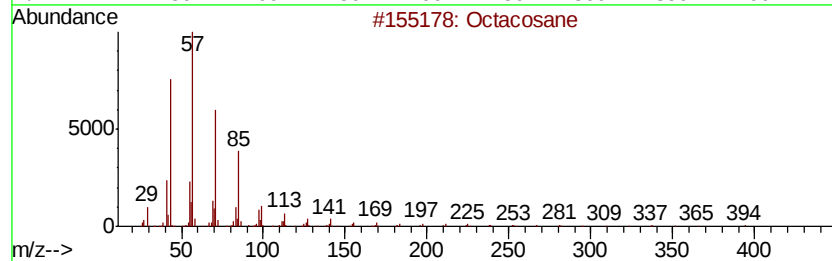
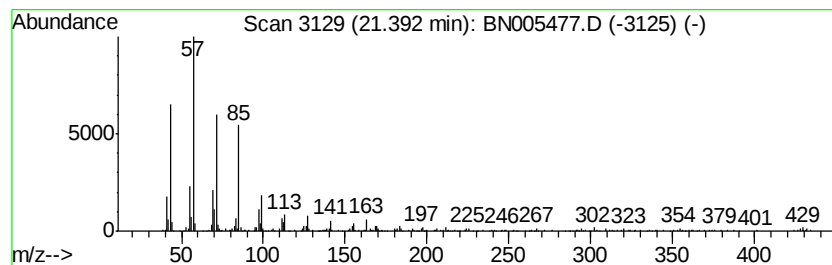
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	5.01 ng/ul	891967	Chrysene-d12	21.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	99
2			Tricosane	324	C23H48	000638-67-5	89
3			Heptadecane, 3-methyl-	254	C18H38	006418-44-6	89
4			Tetracosane	338	C24H50	000646-31-1	76
5			Octacosane	394	C28H58	000630-02-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

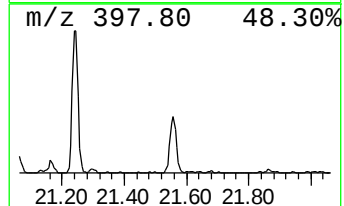
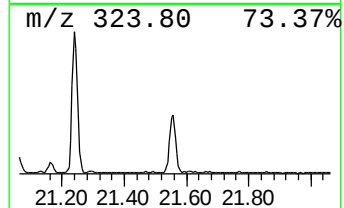
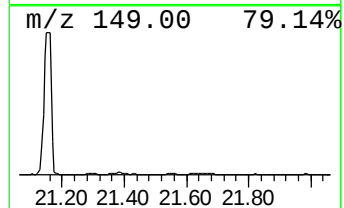
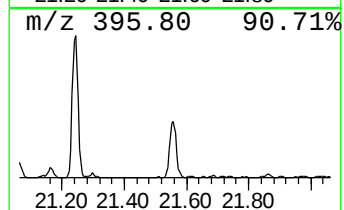
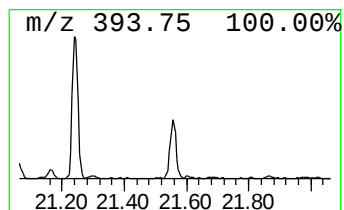
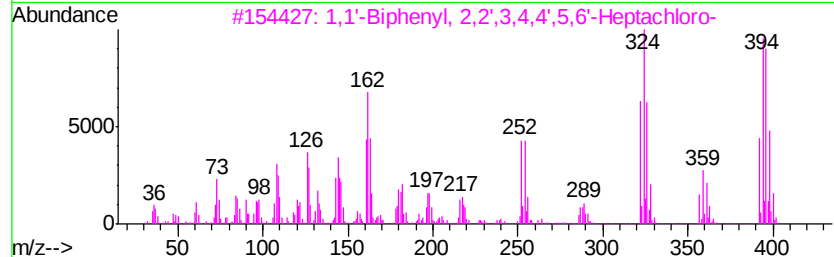
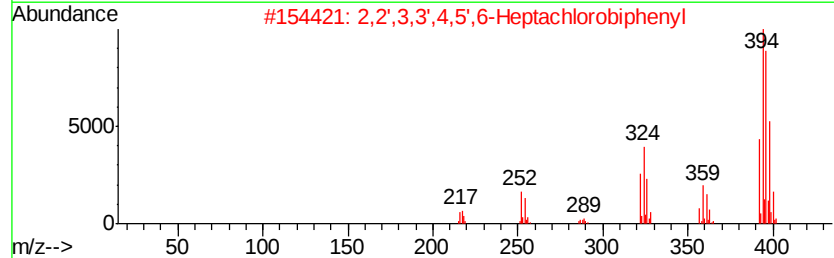
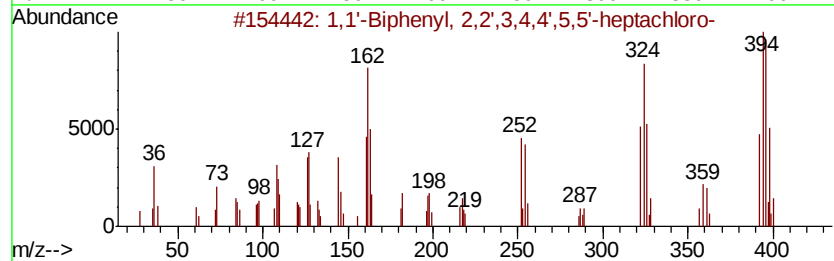
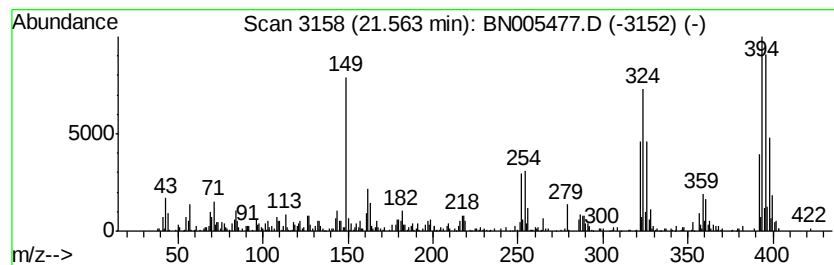
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.56	4.04 ng/ul	718886	Chrysene-d12	21.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
5	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
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Acq On : 04 May 2019 06:27
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Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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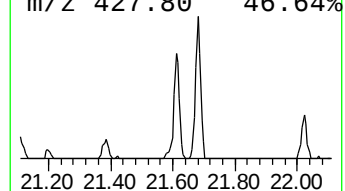
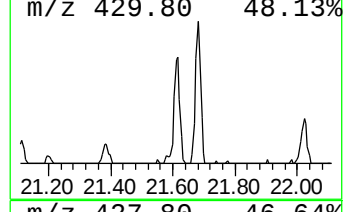
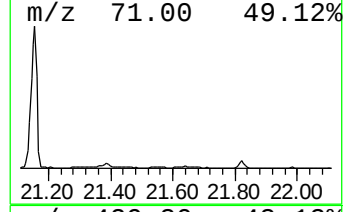
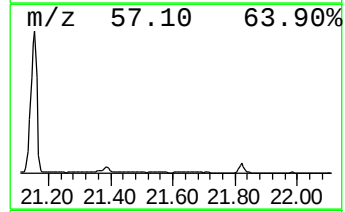
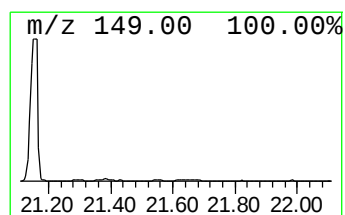
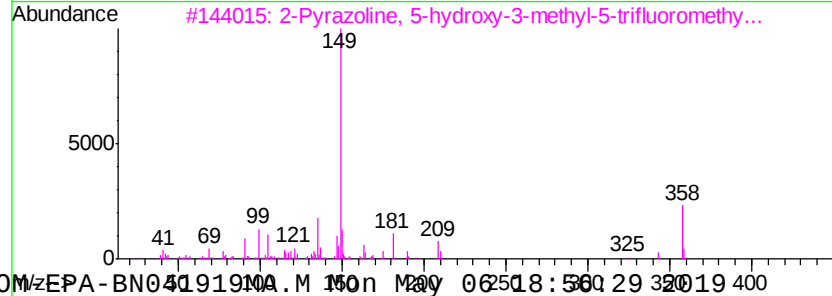
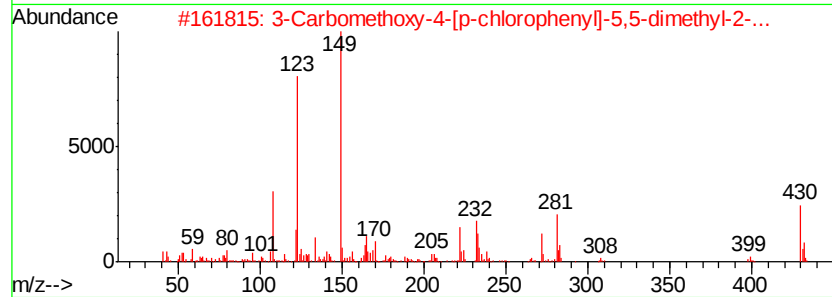
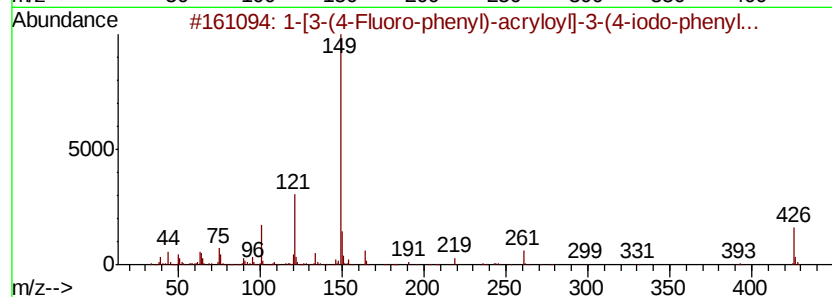
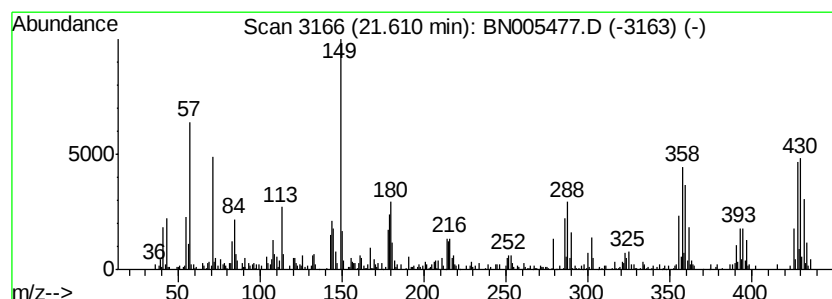
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	2.30 ng/ul	410275	Chrysene-d12	21.21

Hit#	of	4	Tentative ID	MW	MolForm	CAS#	Qual
1			1-[3-(4-Fluoro-phenyl)-acryloyl]...	426	C16H12FIN2OS	1000278-45-9	18
2			3-Carbomethoxy-4-[p-chlorophenyl]...	430	C22H23ClN2O5	021863-93-4	10
3			2-Pyrazoline, 5-hydroxy-3-methyl...	358	C17H21F3N2O3	333750-68-8	10
4			Benzenebutanamine	149	C10H15N	013214-66-9	3



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

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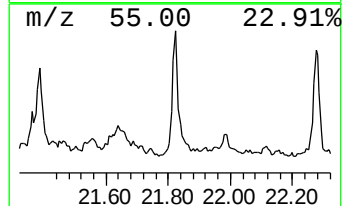
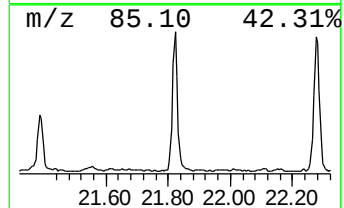
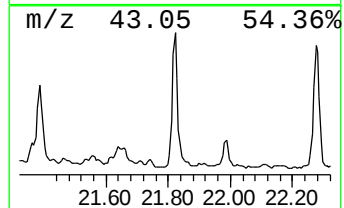
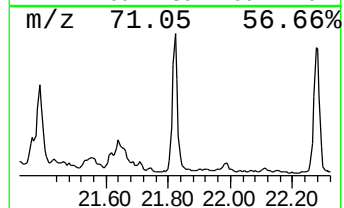
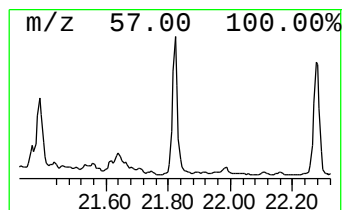
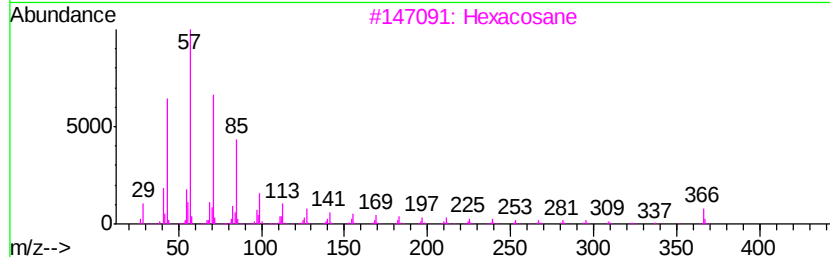
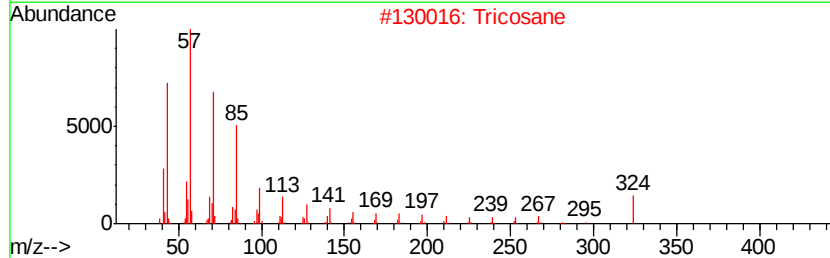
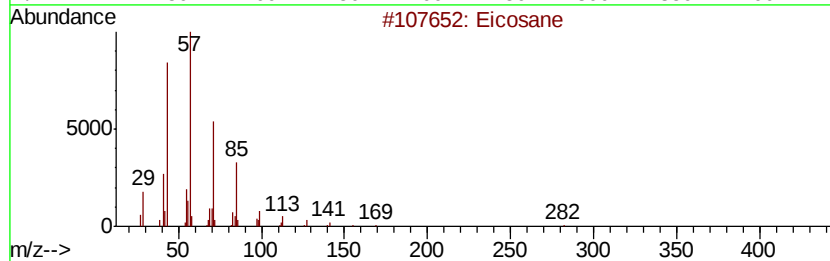
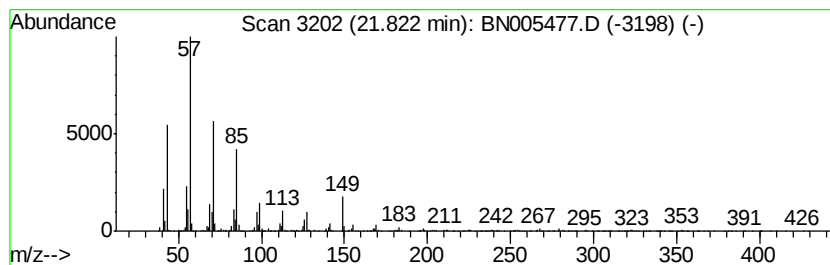
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	7.93 ng/ul	1412330	Chrysene-d12	21.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	95
2			Tricosane	324	C23H48	000638-67-5	91
3			Hexacosane	366	C26H54	000630-01-3	91
4			Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
5			Heptacosane	380	C27H56	000593-49-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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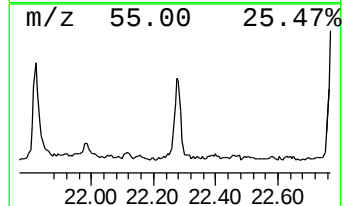
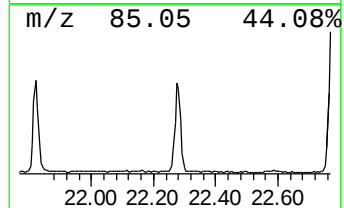
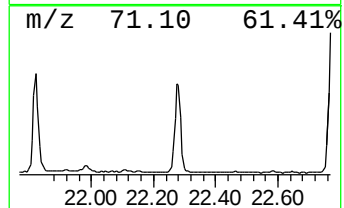
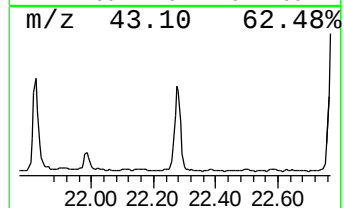
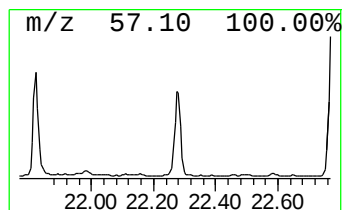
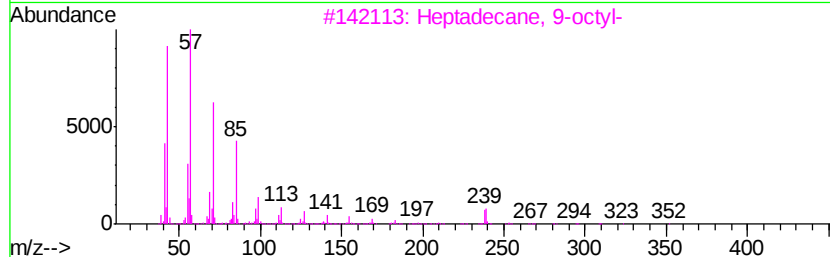
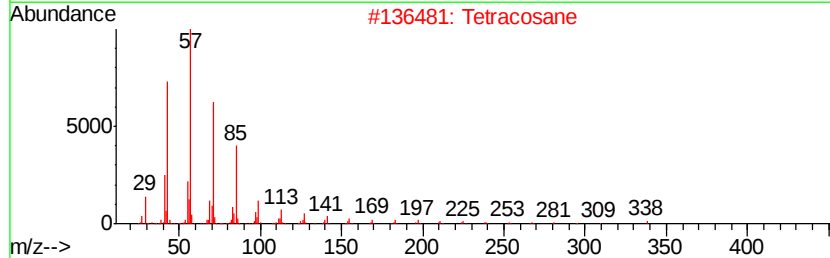
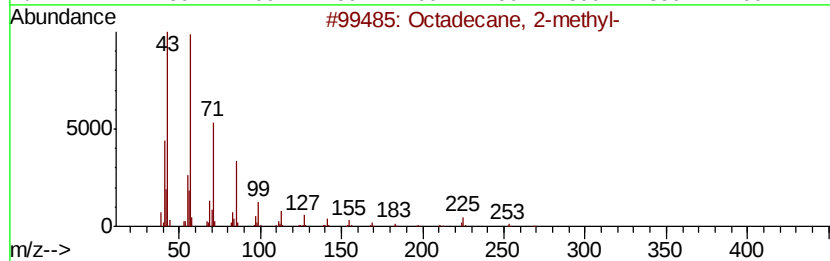
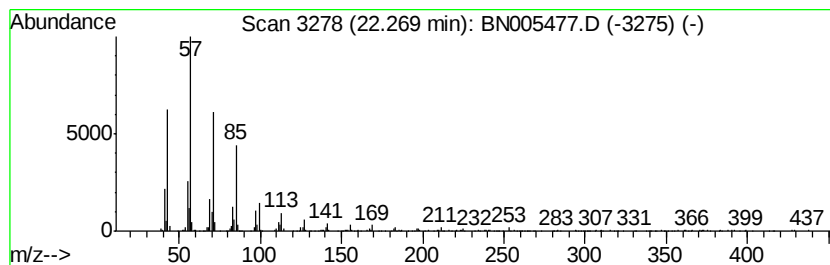
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	6.68 ng/ul	1188870	Chrysene-d12	21.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 2-methyl-	268	C19H40	001560-88-9	94
2			Tetracosane	338	C24H50	000646-31-1	93
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4			triacontane	422	C30H62	000638-68-6	91
5			Nonacosane	408	C29H60	000630-03-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
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Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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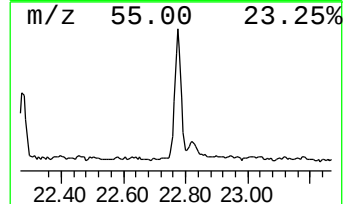
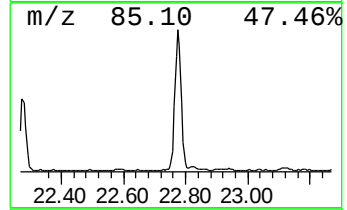
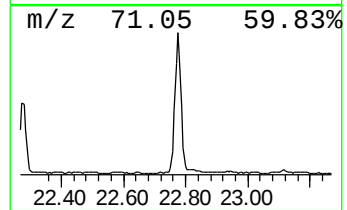
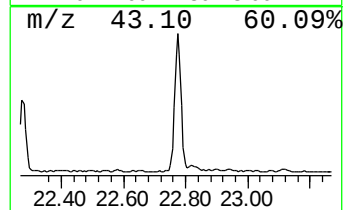
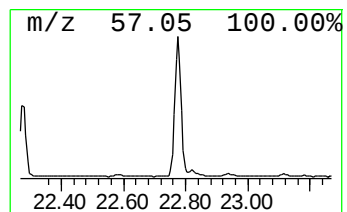
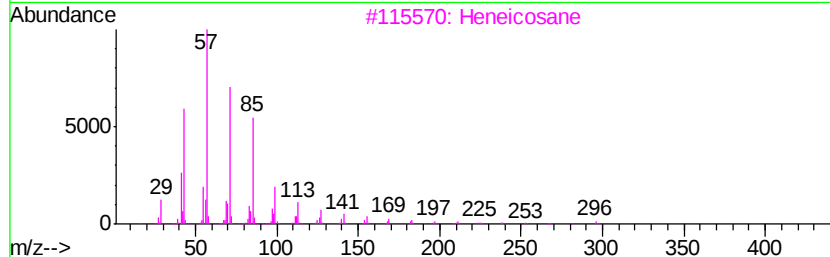
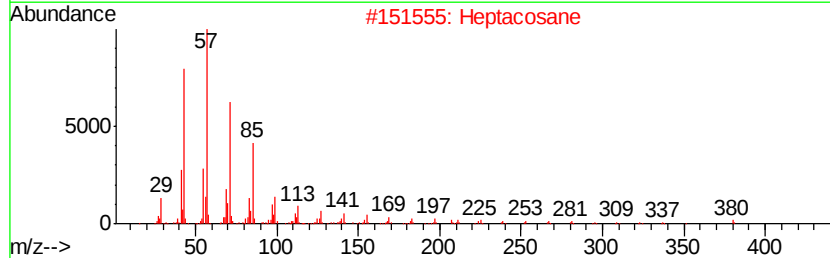
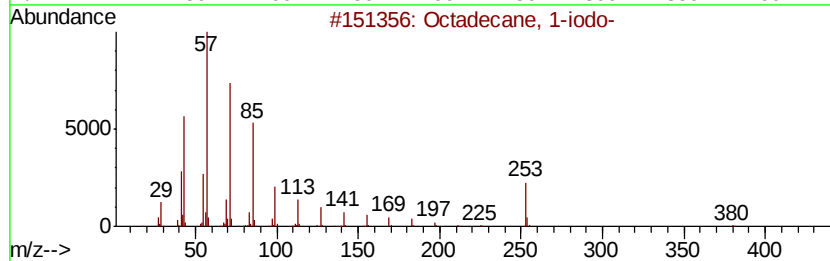
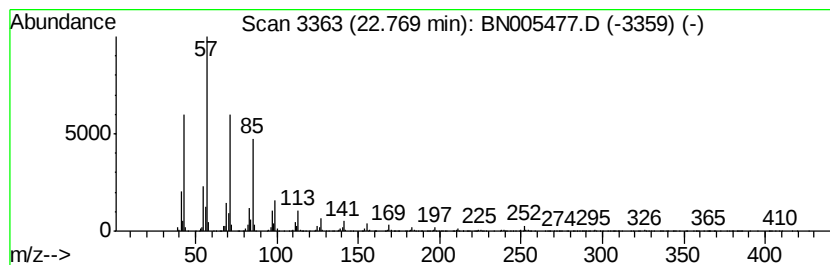
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Octadecane, 1-iodo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	16.14 ng/ul	2435580	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	96
2		Heptacosane	380	C27H56	000593-49-7	93
3		Heneicosane	296	C21H44	000629-94-7	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Tetratriacontane	479	C34H70	014167-59-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
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Sample : K2602-04
Misc :
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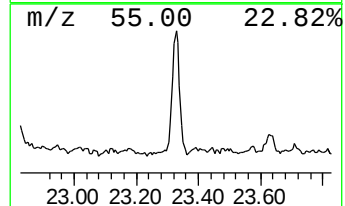
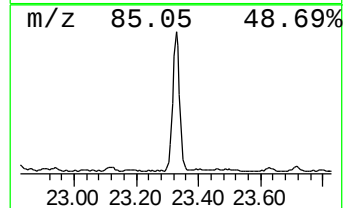
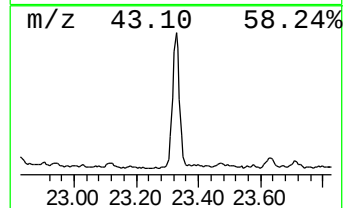
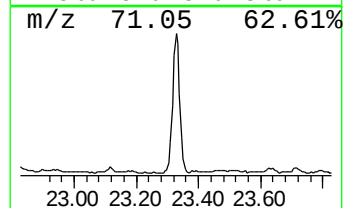
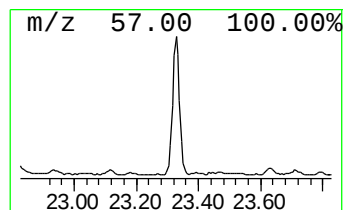
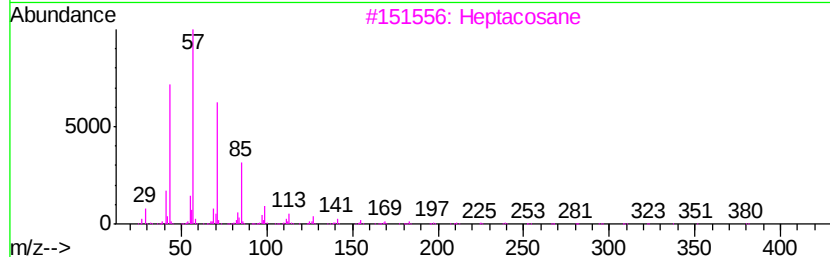
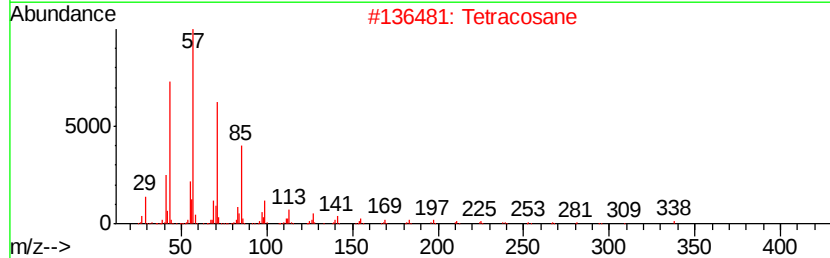
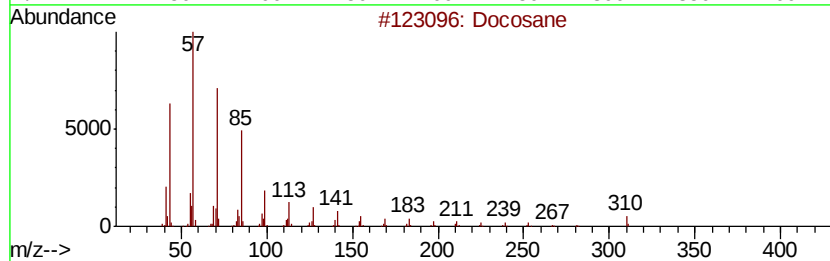
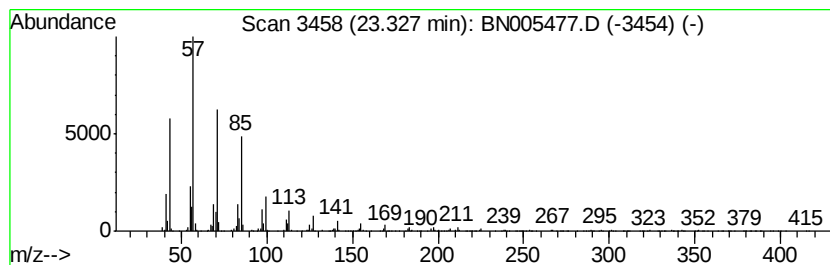
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	10.07 ng/ul	1520040	Perylene-d12	23.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Docosane	310	C22H46	000629-97-0	98
2			Tetracosane	338	C24H50	000646-31-1	96
3			Heptacosane	380	C27H56	000593-49-7	94
4			Eicosane, 9-octyl-	394	C28H58	013475-77-9	94
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
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Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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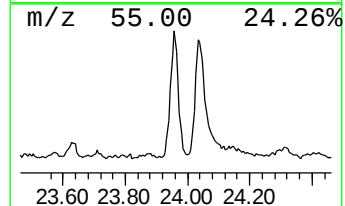
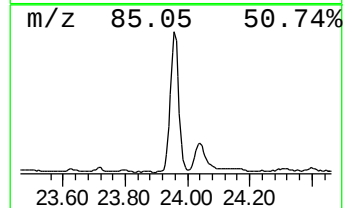
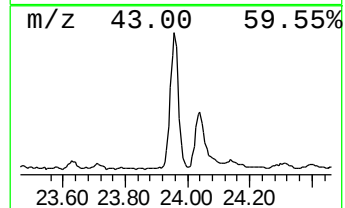
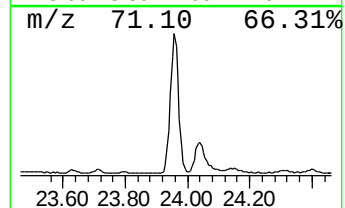
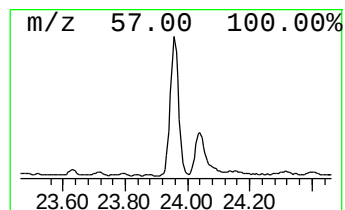
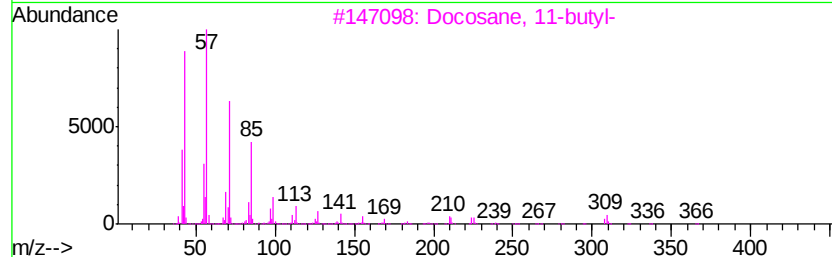
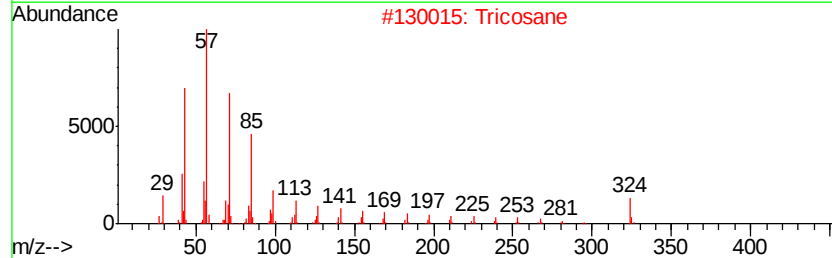
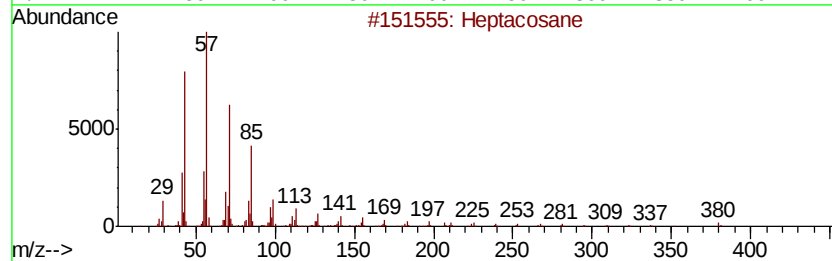
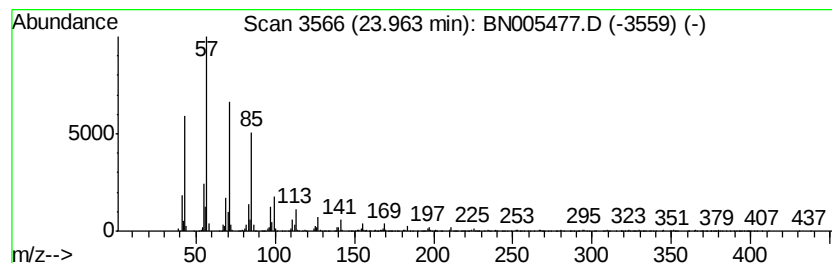
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	13.84 ng/ul	2088320	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	95
2		Tricosane	324	C23H48	000638-67-5	95
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	95
4		Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	94
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
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Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

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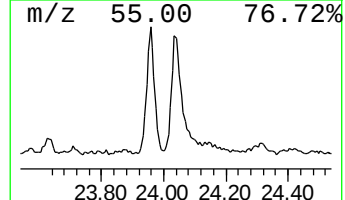
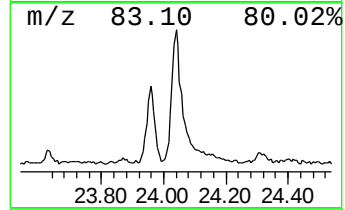
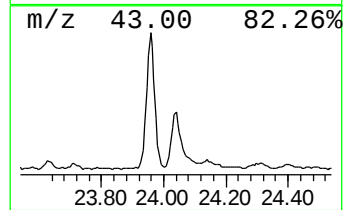
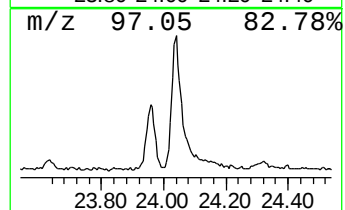
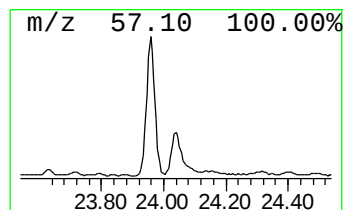
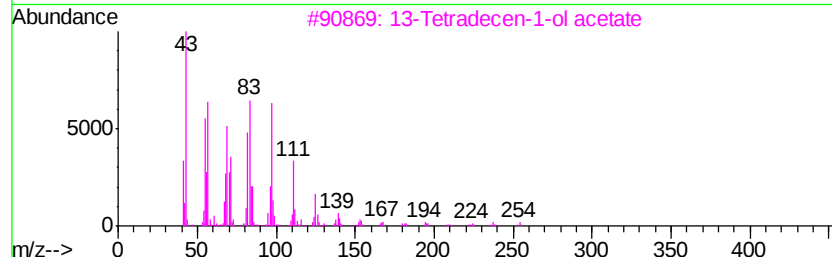
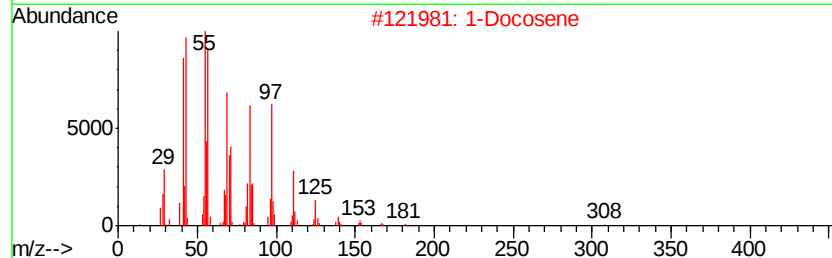
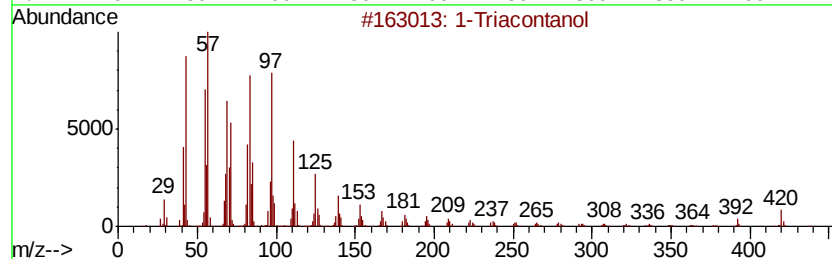
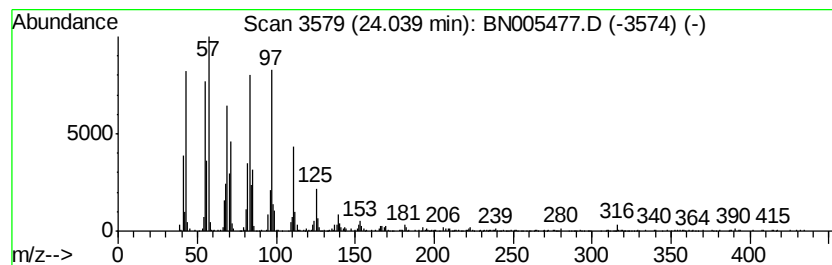
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1-Triacontanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	10.30 ng/ul	1553940	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Triacontanol	438	C30H62O	000593-50-0	94
2		1-Docosene	308	C22H44	001599-67-3	91
3		13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
4		1-Heneicosyl formate	340	C22H44O2	077899-03-7	76
5		1-Tetracosanol	354	C24H50O	000506-51-4	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
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Sample : K2602-04
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ClientSampleId :
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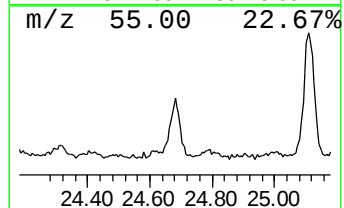
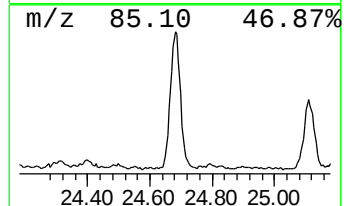
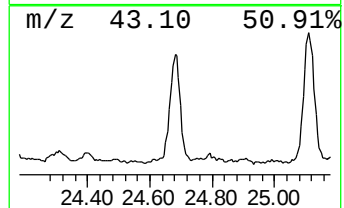
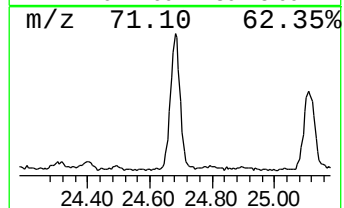
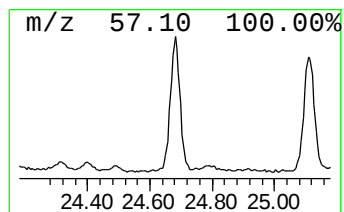
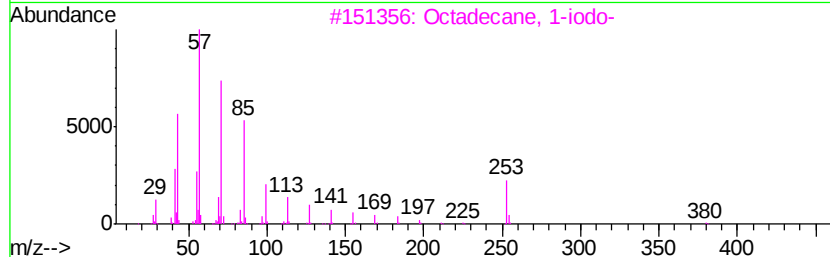
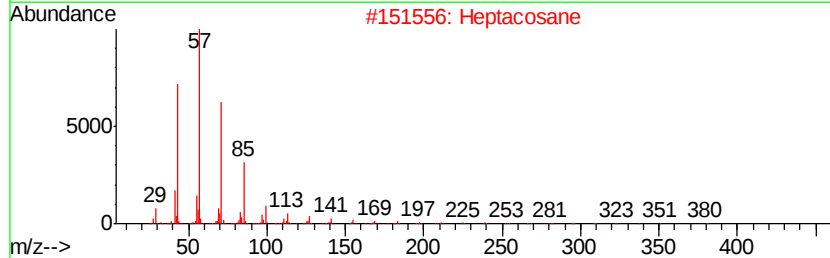
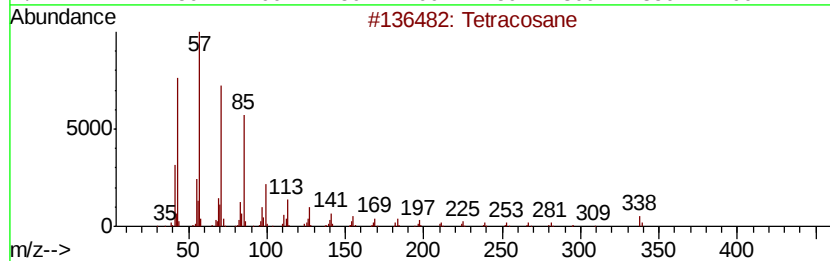
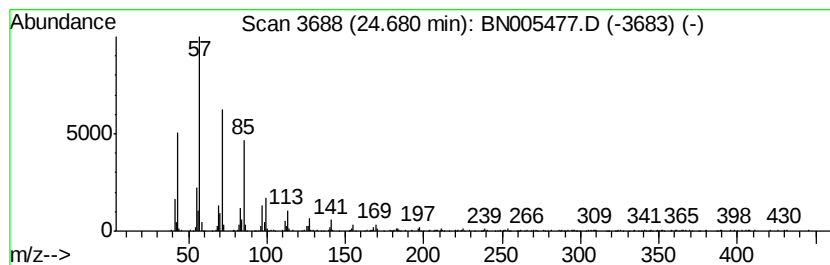
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.68	6.69 ng/ul	1010210	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	96
2		Heptacosane	380	C27H56	000593-49-7	95
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	93
4		Tricosane	324	C23H48	000638-67-5	91
5		Nonacosane	408	C29H60	000630-03-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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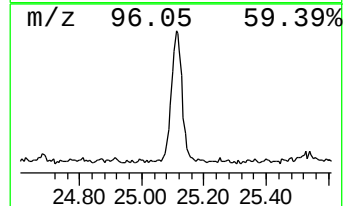
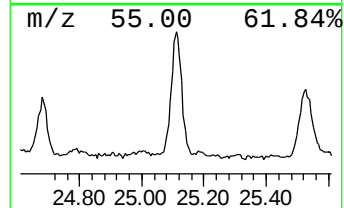
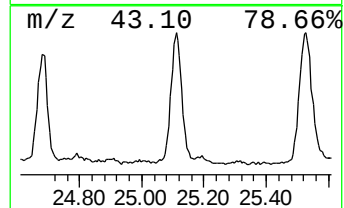
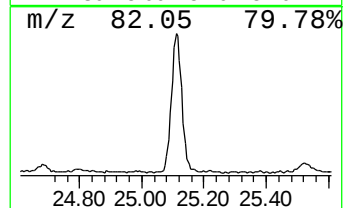
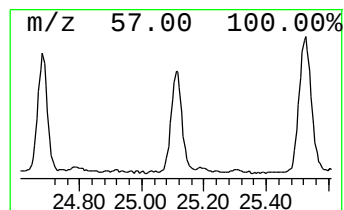
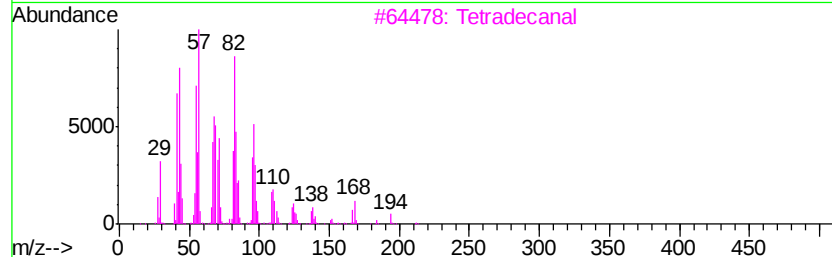
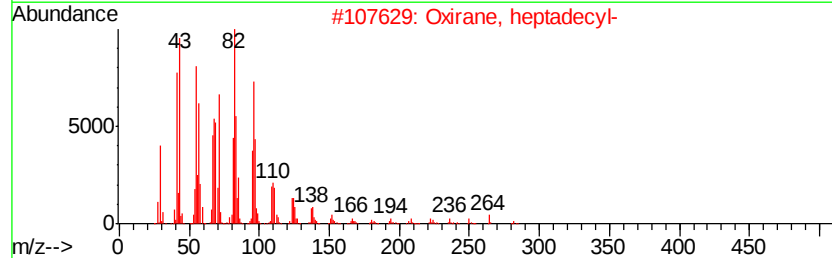
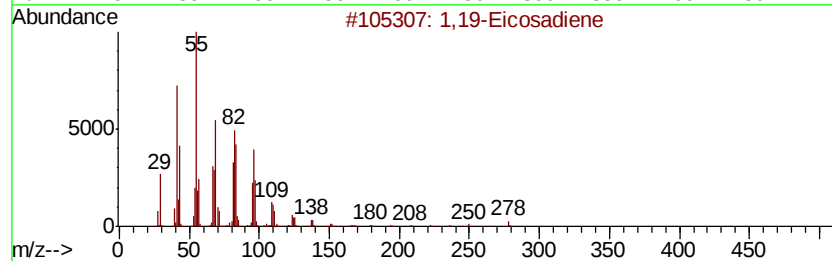
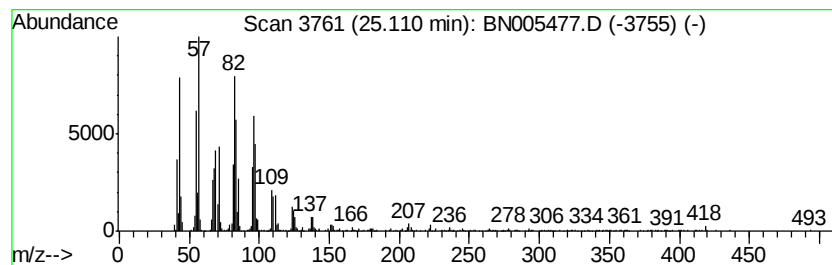
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 1,19-Eicosadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.11	12.36 ng/ul	1864590	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,19-Eicosadiene	278	C20H38	014811-95-1	92
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3		Tetradecanal	212	C14H28O	000124-25-4	90
4		Octadecanal	268	C18H36O	000638-66-4	90
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
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Acq On : 04 May 2019 06:27
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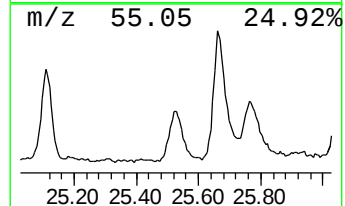
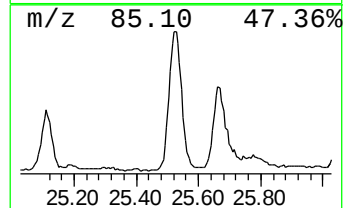
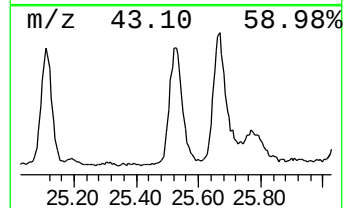
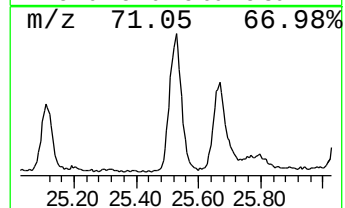
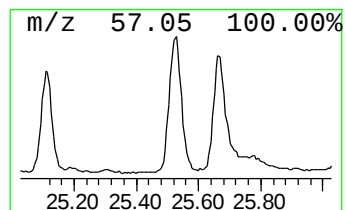
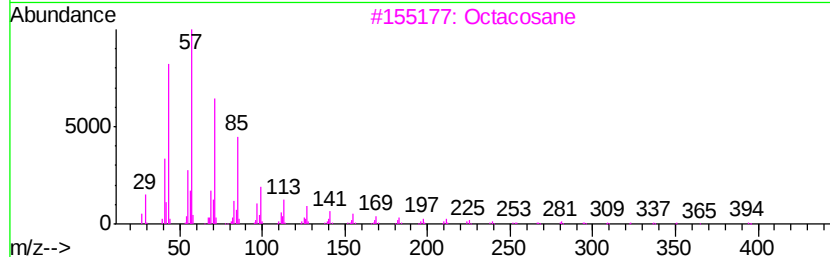
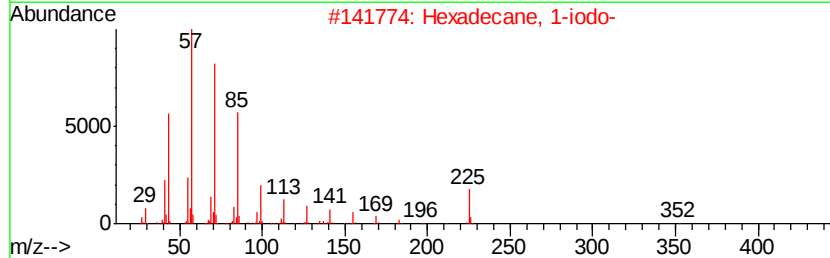
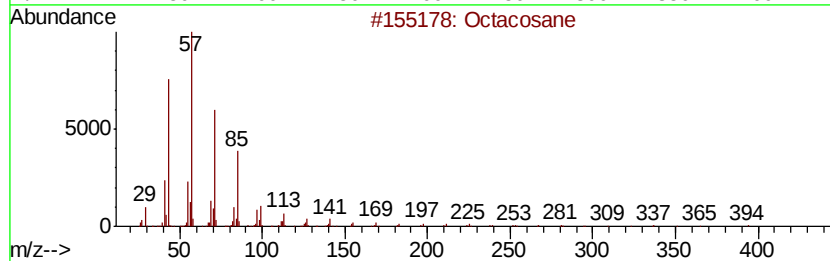
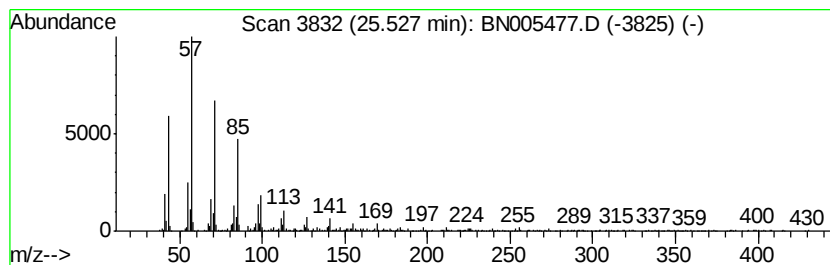
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.53	11.56 ng/ul	1744340	Perylene-d12	23.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	96
2			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	96
3			Octacosane	394	C28H58	000630-02-4	94
4			Nonacosane	408	C29H60	000630-03-5	94
5			Octadecane, 2-methyl-	268	C19H40	001560-88-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
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Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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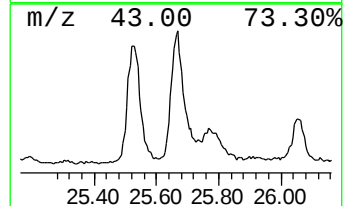
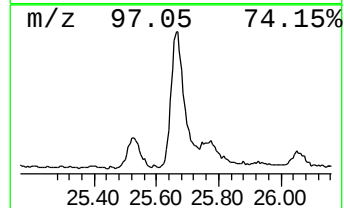
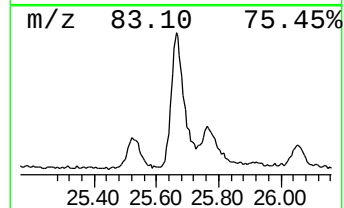
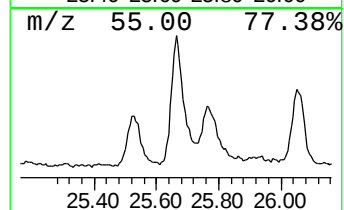
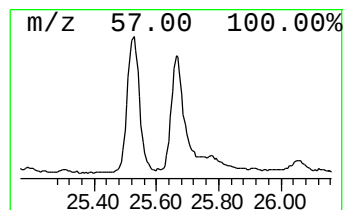
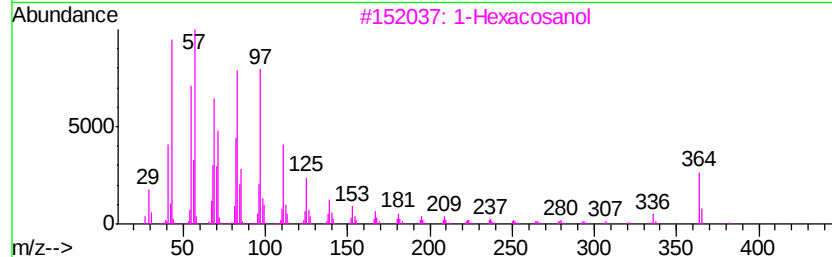
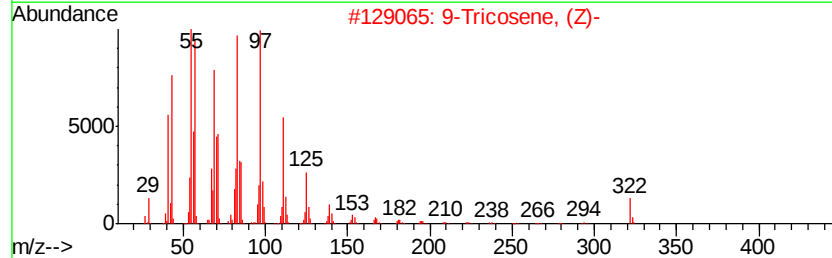
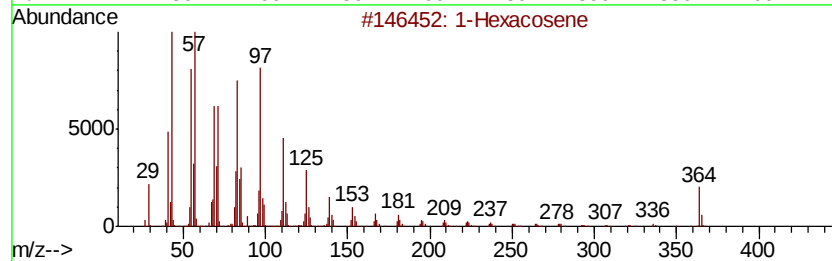
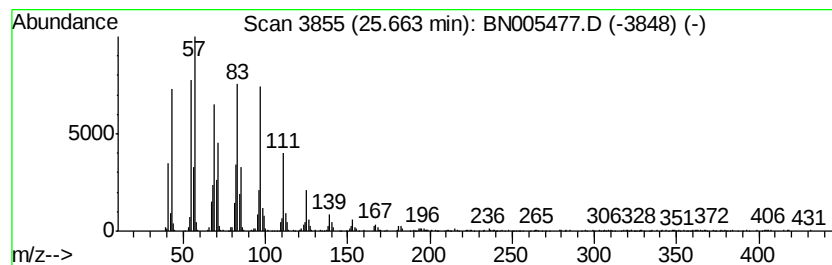
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic25.66 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.66	16.82 ng/ul	2538610	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexacosene	364	C26H52	018835-33-1	98
2		9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
3		1-Hexacosanol	382	C26H54O	000506-52-5	91
4		1-Triacontanol	438	C30H62O	000593-50-0	91
5		Cyclotetracosane	336	C24H48	000297-03-0	80



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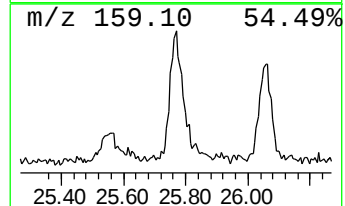
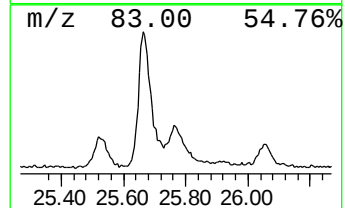
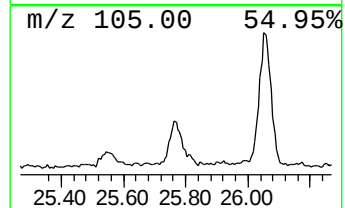
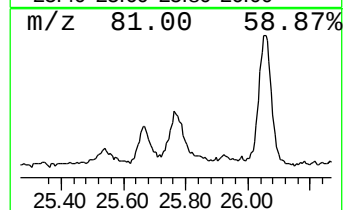
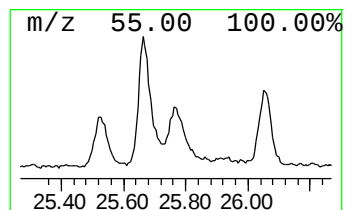
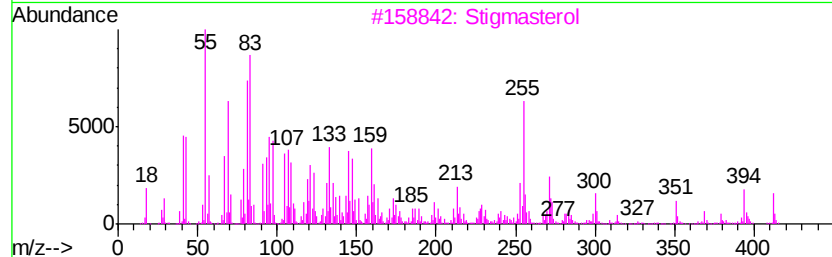
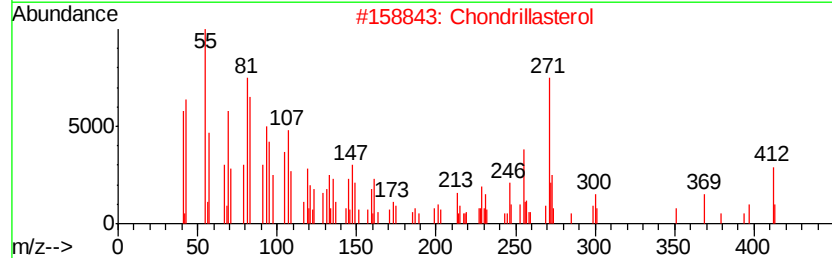
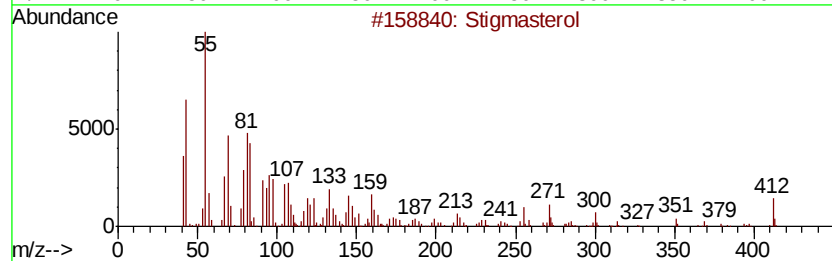
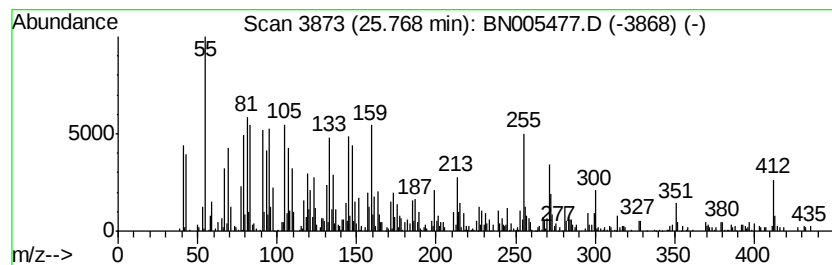
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 Stigmasterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.77	11.60 ng/ul	1750300	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmasterol	412	C29H48O	000083-48-7	91
2		Chondrillasterol	412	C29H48O	000481-17-4	64
3		Stigmasterol	412	C29H48O	000083-48-7	53
4		Stigmasterol	412	C29H48O	000083-48-7	50
5		Cholesta-22,24-dien-5-ol, 4,4-di...	412	C29H48O	1000128-66-1	35



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Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFH59

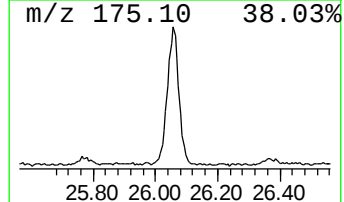
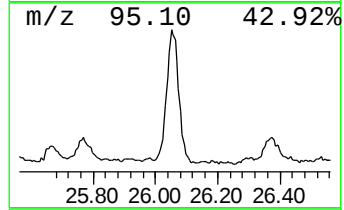
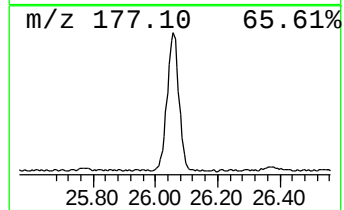
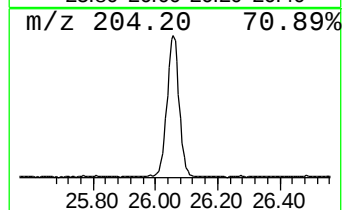
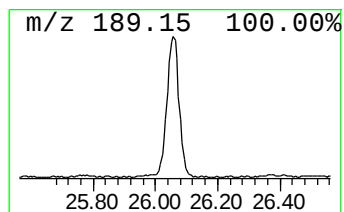
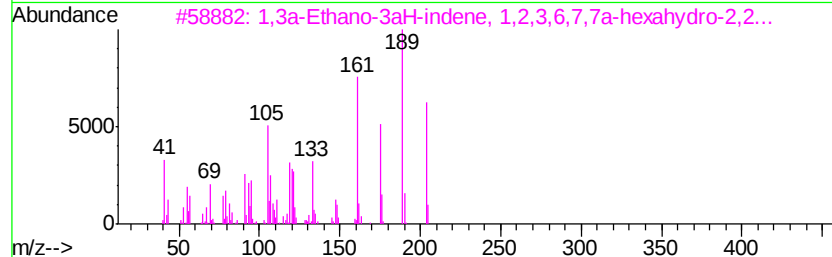
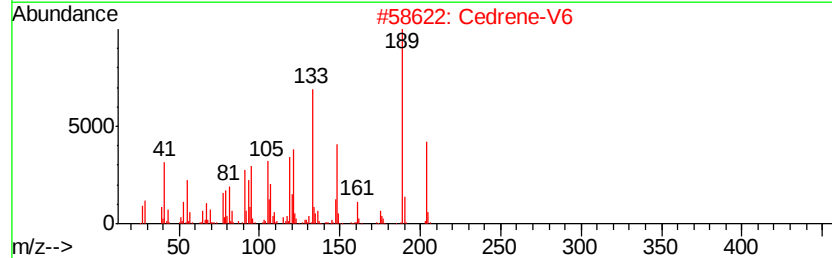
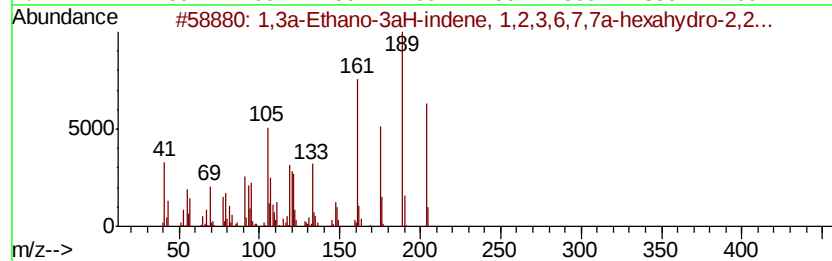
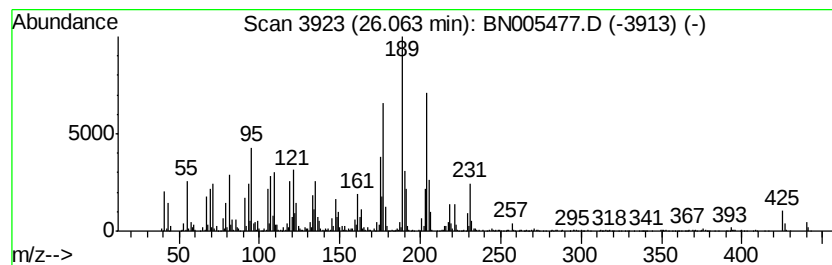
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,3a-Ethano-3aH-indene, 1,2... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	34.63 ng/ul	5225970	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3a-Ethano-3aH-indene, 1,2,3,6,...	204	C15H24	004545-68-0	55
2		Cedrene-V6	204	C15H24	1000162-76-8	46
3		1,3a-Ethano-3aH-indene, 1,2,3,6,...	204	C15H24	004545-68-0	46
4		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	46
5		Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFH59

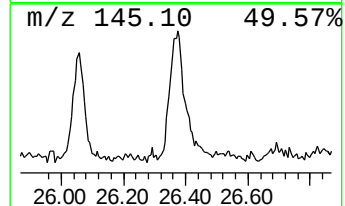
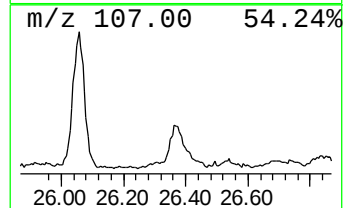
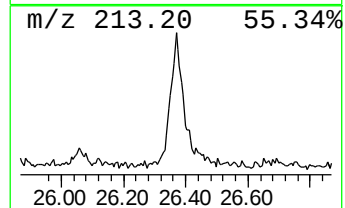
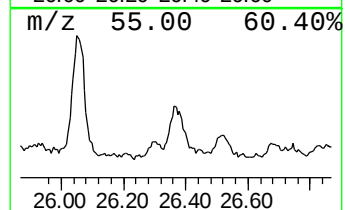
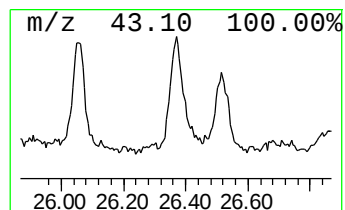
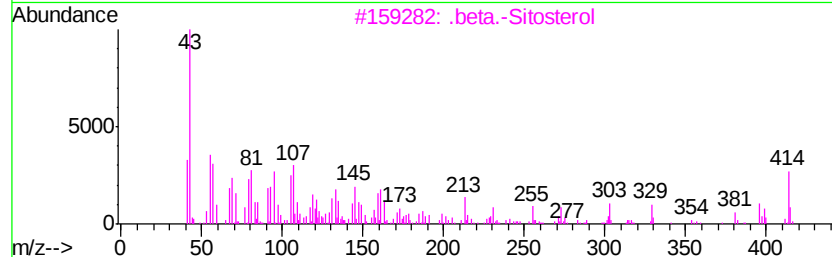
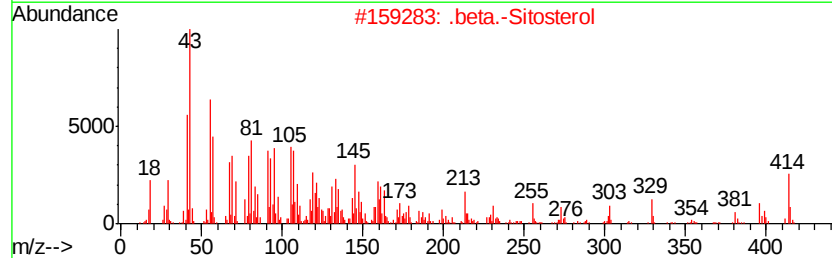
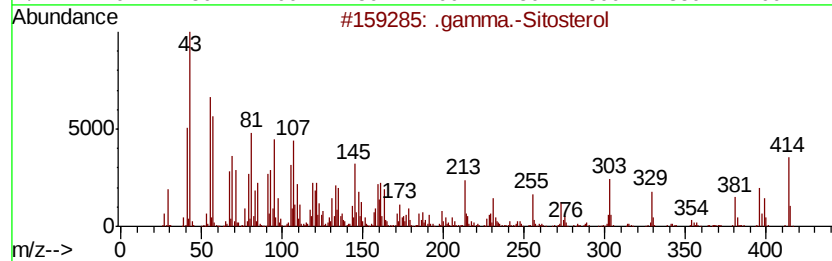
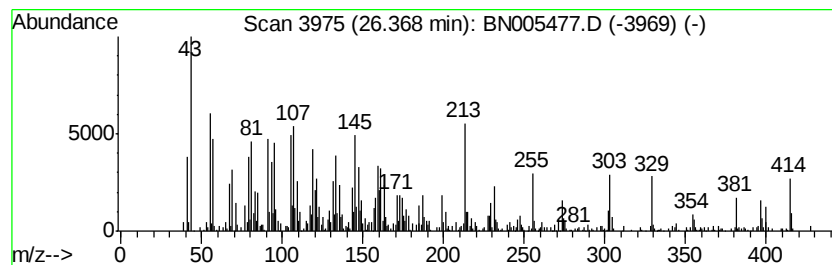
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.37	11.06 ng/ul	1668500	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	95
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3		.beta.-Sitosterol	414	C29H50O	000083-46-5	90
4		Stigmaterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	83
5		.beta.-Sitosterol	414	C29H50O	000083-46-5	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005477.D
Acq On : 04 May 2019 06:27
Operator : JU/SJ
Sample : K2602-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
BFH59

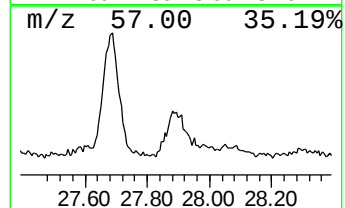
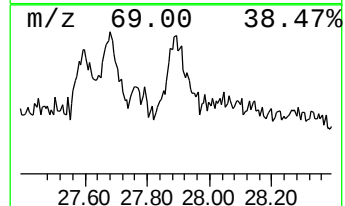
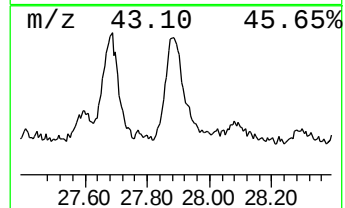
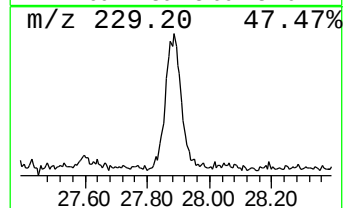
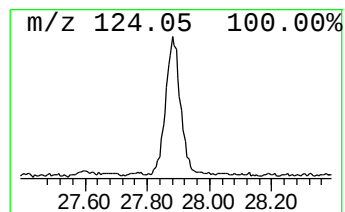
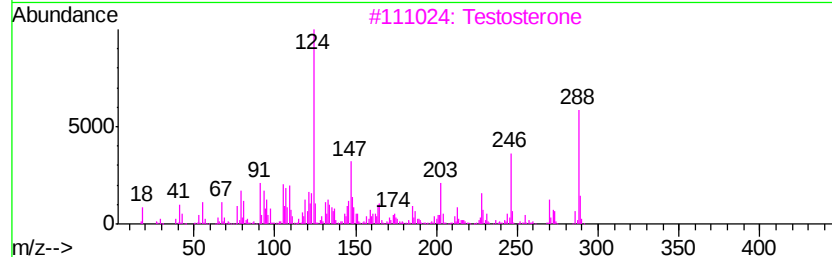
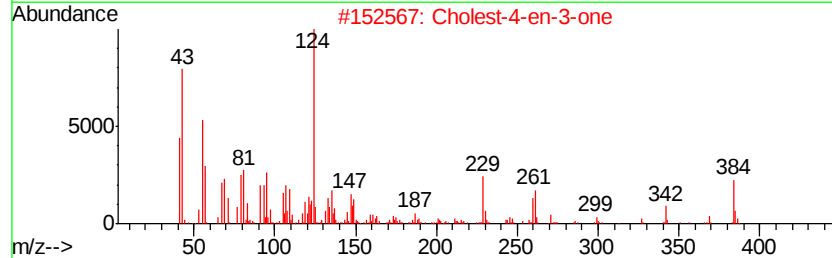
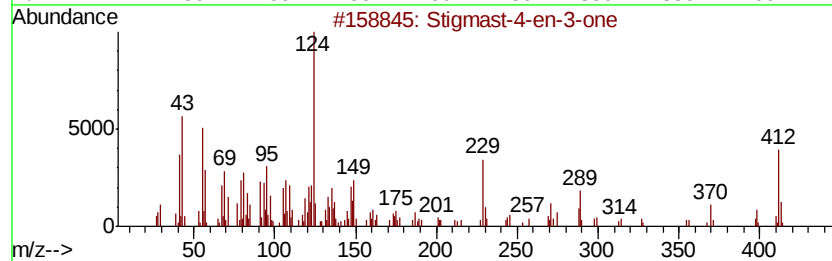
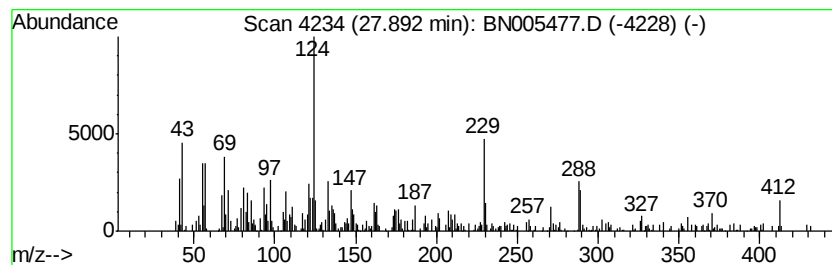
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 Stigmast-4-en-3-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.89	6.43 ng/ul	970346	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	64
2		Cholest-4-en-3-one	384	C27H44O	000601-57-0	53
3		Testosterone	288	C19H28O2	000058-22-0	49
4		Cholest-4-en-3-one	384	C27H44O	000601-57-0	44
5		Tropine 2,4-dichlorophenylacetate	327	C16H19Cl2NO2	1000212-39-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005477.D
 Acq On : 04 May 2019 06:27
 Operator : JU/SJ
 Sample : K2602-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.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
n-Hexadecanoic acid	17.90	5.6	ng/ul	1142190	4	16.98	4070060	20.0
1,1'-Biphenyl, 2,...	19.20	4.7	ng/ul	843005	5	21.21	3561030	20.0
1,1'-Biphenyl, 2,...	19.78	2.6	ng/ul	469941	5	21.21	3561030	20.0
1,1'-Biphenyl, 2,...	19.92	6.8	ng/ul	1214000	5	21.21	3561030	20.0
1,1'-Biphenyl, 2,...	20.20	8.0	ng/ul	1418650	5	21.21	3561030	20.0
1,1'-Biphenyl, 2,...	20.36	3.6	ng/ul	646980	5	21.21	3561030	20.0
1,1'-Biphenyl, 3,...	20.53	7.4	ng/ul	1320480	5	21.21	3561030	20.0
2,2',3,3',4,5',6-...	20.67	4.8	ng/ul	858192	5	21.21	3561030	20.0
(DEL) Alkane: Cyc...	20.95	11.0	ng/ul	1960320	5	21.21	3561030	20.0
(DEL) Alkane: Str...	21.39	5.0	ng/ul	891967	5	21.21	3561030	20.0
1,1'-Biphenyl, 2,...	21.56	4.0	ng/ul	718886	5	21.21	3561030	20.0
unknown-01	21.61	2.3	ng/ul	410275	5	21.21	3561030	20.0
(DEL) Alkane: Str...	21.82	7.9	ng/ul	1412330	5	21.21	3561030	20.0
(DEL) Alkane: Str...	22.27	6.7	ng/ul	1188870	5	21.21	3561030	20.0
Octadecane, 1-iodo-	22.77	16.1	ng/ul	2435580	6	23.41	3017980	20.0
(DEL) Alkane: Str...	23.33	10.1	ng/ul	1520040	6	23.41	3017980	20.0
(DEL) Alkane: Str...	23.96	13.8	ng/ul	2088320	6	23.41	3017980	20.0
1-Triacontanol	24.04	10.3	ng/ul	1553940	6	23.41	3017980	20.0
(DEL) Alkane: Str...	24.68	6.7	ng/ul	1010210	6	23.41	3017980	20.0
1,19-Eicosadiene	25.11	12.4	ng/ul	1864590	6	23.41	3017980	20.0
(DEL) Alkane: Str...	25.53	11.6	ng/ul	1744340	6	23.41	3017980	20.0
(DEL) Alkane: Cyc...	25.66	16.8	ng/ul	2538610	6	23.41	3017980	20.0
Stigmasterol	25.77	11.6	ng/ul	1750300	6	23.41	3017980	20.0
1,3a-Ethano-3aH-i...	26.06	34.6	ng/ul	5225970	6	23.41	3017980	20.0
.gamma.-Sitosterol	26.37	11.1	ng/ul	1668500	6	23.41	3017980	20.0
Stigmast-4-en-3-one	27.89	6.4	ng/ul	970346	6	23.41	3017980	20.0