

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
 Data File : BN005886.D
 Acq On : 23 May 2019 18:15
 Operator : JU/SJ
 Sample : K2923-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42E7

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-BN051819MA.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	3.205	34	37	47	rVB2	40103	67212	1.51%	0.104%
2	4.175	198	202	216	rVB	185069	290420	6.54%	0.449%
3	4.746	295	299	309	rVB	102908	160652	3.62%	0.248%
4	6.722	629	635	638	rBV	302985	492714	11.09%	0.762%
5	6.781	638	645	660	rVV2	314676	964912	21.71%	1.492%
6	6.911	662	667	676	rVB	134227	238327	5.36%	0.369%
7	7.099	694	699	702	rBV	206440	354734	7.98%	0.549%
8	7.134	702	705	716	rVB	212494	374514	8.43%	0.579%
9	7.558	772	777	787	rBV	218487	386261	8.69%	0.597%
10	8.281	894	900	908	rBV	216763	422483	9.51%	0.653%
11	8.358	908	913	925	rVB	230649	375596	8.45%	0.581%
12	8.710	967	973	977	rBV	229546	415262	9.34%	0.642%
13	8.752	977	980	991	rVB	181787	314435	7.08%	0.486%
14	9.122	1039	1043	1046	rBV2	10477	14939	0.34%	0.023%
15	9.428	1088	1095	1097	rBV	186130	329575	7.42%	0.510%
16	9.457	1097	1100	1109	rVB	178276	310563	6.99%	0.480%
17	9.969	1181	1187	1188	rBV	261071	370034	8.33%	0.572%
18	10.316	1240	1246	1251	rBV	366567	626719	14.10%	0.969%
19	10.369	1251	1255	1266	rVB	294568	482953	10.87%	0.747%
20	10.481	1268	1274	1292	rVV	141484	340072	7.65%	0.526%
21	10.646	1296	1302	1312	rVB	394428	625472	14.07%	0.967%
22	11.640	1464	1471	1493	rBV	465240	963295	21.68%	1.490%
23	11.869	1506	1510	1515	rVB4	10531	15035	0.34%	0.023%
24	11.928	1515	1520	1526	rVB4	3680	6611	0.15%	0.010%
25	12.216	1562	1569	1579	rBV	491065	822042	18.50%	1.271%
26	12.375	1590	1596	1604	rBV	389623	630098	14.18%	0.975%
27	12.628	1633	1639	1650	rBV	494158	958315	21.56%	1.482%
28	12.710	1650	1653	1665	rVB4	13173	30691	0.69%	0.047%
29	13.022	1700	1706	1710	rBV	734771	1094760	24.64%	1.693%
30	13.063	1710	1713	1717	rVB	298595	404006	9.09%	0.625%
31	13.616	1801	1807	1811	rBV	680387	918539	20.67%	1.421%
32	13.663	1811	1815	1827	rVB	633659	897006	20.19%	1.387%
33	13.798	1833	1838	1847	rBV	329420	531682	11.96%	0.822%
34	13.887	1847	1853	1863	rVB	724752	1083993	24.39%	1.677%

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35	14.198	1900	1906	1912	rVV2	604443	902438	20.31%	1.396%
36	14.263	1912	1917	1928	rVB	663486	956485	21.52%	1.479%
37	14.475	1946	1953	1970	rBV3	218336	721823	16.24%	1.116%
38	14.604	1970	1975	1985	rVV	510149	794801	17.89%	1.229%
39	14.669	1985	1986	1995	rVB4	5850	8308	0.19%	0.013%
40	14.857	2012	2018	2029	rBV	390779	626623	14.10%	0.969%
41	15.010	2040	2044	2047	rVB2	3204	4595	0.10%	0.007%
42	15.069	2052	2054	2061	rVB2	5922	6730	0.15%	0.010%
43	15.204	2070	2077	2081	rBV	962815	1376531	30.98%	2.129%
44	15.251	2081	2085	2093	rVB	467997	660368	14.86%	1.021%
45	15.340	2097	2100	2101	rBV2	8727	6123	0.14%	0.009%
46	15.387	2101	2108	2121	rVB3	271433	636154	14.32%	0.984%
47	15.940	2198	2202	2204	rBV2	3468	5164	0.12%	0.008%
48	16.275	2253	2259	2265	rBV	564580	796989	17.93%	1.233%
49	16.510	2295	2299	2302	rBV3	3701	4662	0.10%	0.007%
50	16.634	2313	2320	2336	rBV	410678	823829	18.54%	1.274%
51	16.963	2369	2376	2379	rBV	865910	1225838	27.59%	1.896%
52	17.004	2379	2383	2388	rVV	744762	1021931	23.00%	1.581%
53	17.063	2388	2393	2396	rVV	1088940	1640579	36.92%	2.538%
54	17.098	2396	2399	2408	rVB	800938	1106039	24.89%	1.711%
55	17.375	2439	2446	2454	rBV	609990	956564	21.53%	1.480%
56	17.451	2454	2459	2473	rVB	648385	998518	22.47%	1.544%
57	17.875	2526	2531	2535	rBV3	35263	55300	1.24%	0.086%
58	17.939	2535	2542	2548	rVV	672680	871059	19.60%	1.347%
59	17.986	2548	2550	2555	rVV4	4996	7491	0.17%	0.012%
60	18.169	2577	2581	2584	rBV3	8688	10135	0.23%	0.016%
61	18.222	2584	2590	2593	rBV5	4549	8697	0.20%	0.013%
62	18.257	2593	2596	2601	rVB6	3476	5781	0.13%	0.009%
63	18.416	2620	2623	2628	rBV3	11395	16377	0.37%	0.025%
64	18.745	2674	2679	2688	rBV2	122289	245969	5.54%	0.380%
65	18.810	2688	2690	2697	rVB4	21362	38597	0.87%	0.060%
66	18.939	2707	2712	2715	rBV6	4939	7993	0.18%	0.012%
67	18.981	2715	2719	2721	rBV5	3394	4702	0.11%	0.007%
68	19.039	2721	2729	2739	rBV	2018496	2872726	64.64%	4.443%
69	19.186	2749	2754	2758	rBV6	14148	26177	0.59%	0.040%
70	19.269	2764	2768	2769	rBV	9289	10603	0.24%	0.016%
71	19.286	2769	2771	2775	rVB	11670	13331	0.30%	0.021%

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72	19.381	2781	2787	2789	rBV	1523729	2091287	47.06%	3.235%
73	19.410	2789	2792	2802	rVB	1500584	2000889	45.03%	3.095%
74	19.522	2807	2811	2816	rVB6	16898	25776	0.58%	0.040%
75	19.598	2822	2824	2827	rBV4	3089	4858	0.11%	0.008%
76	19.745	2846	2849	2855	rBV7	5035	9800	0.22%	0.015%
77	19.939	2875	2882	2887	rBV4	30228	60118	1.35%	0.093%
78	20.251	2932	2935	2937	rVB4	8336	7783	0.18%	0.012%
79	20.280	2937	2940	2942	rVB4	9815	10506	0.24%	0.016%
80	20.328	2942	2948	2956	rBV	743419	864644	19.46%	1.337%
81	20.445	2965	2968	2971	rBV3	28156	33569	0.76%	0.052%
82	20.604	2993	2995	2996	rBV2	6915	5486	0.12%	0.008%
83	20.880	3037	3042	3044	rBV2	15765	26038	0.59%	0.040%
84	20.916	3044	3048	3056	rVV2	194066	350321	7.88%	0.542%
85	20.980	3057	3059	3067	rVB2	40416	66791	1.50%	0.103%
86	21.122	3078	3083	3088	rBV	1105926	1242853	27.97%	1.922%
87	21.186	3088	3094	3100	rVV2	2309458	4443853	100.00%	6.873%
88	21.239	3100	3103	3117	rVV	1498339	2048933	46.11%	3.169%
89	21.363	3120	3124	3128	rVB	191732	194621	4.38%	0.301%
90	21.792	3193	3197	3201	rBV	401398	434750	9.78%	0.672%
91	22.245	3269	3274	3282	rBV	681730	854822	19.24%	1.322%
92	22.745	3353	3359	3370	rBV2	1331809	2923835	65.80%	4.522%
93	23.280	3442	3450	3454	rBV3	1493548	3550559	79.90%	5.492%
94	23.410	3466	3472	3487	rVB2	719082	1414166	31.82%	2.187%
95	23.910	3550	3557	3564	rBV	728178	1290818	29.05%	1.997%
96	24.621	3671	3678	3687	rBV	456460	960872	21.62%	1.486%
97	25.457	3813	3820	3831	rVB	242326	594592	13.38%	0.920%
98	25.610	3836	3846	3858	rBV	997396	2911846	65.53%	4.504%
99	26.433	3979	3986	3996	rVB2	153553	438169	9.86%	0.678%

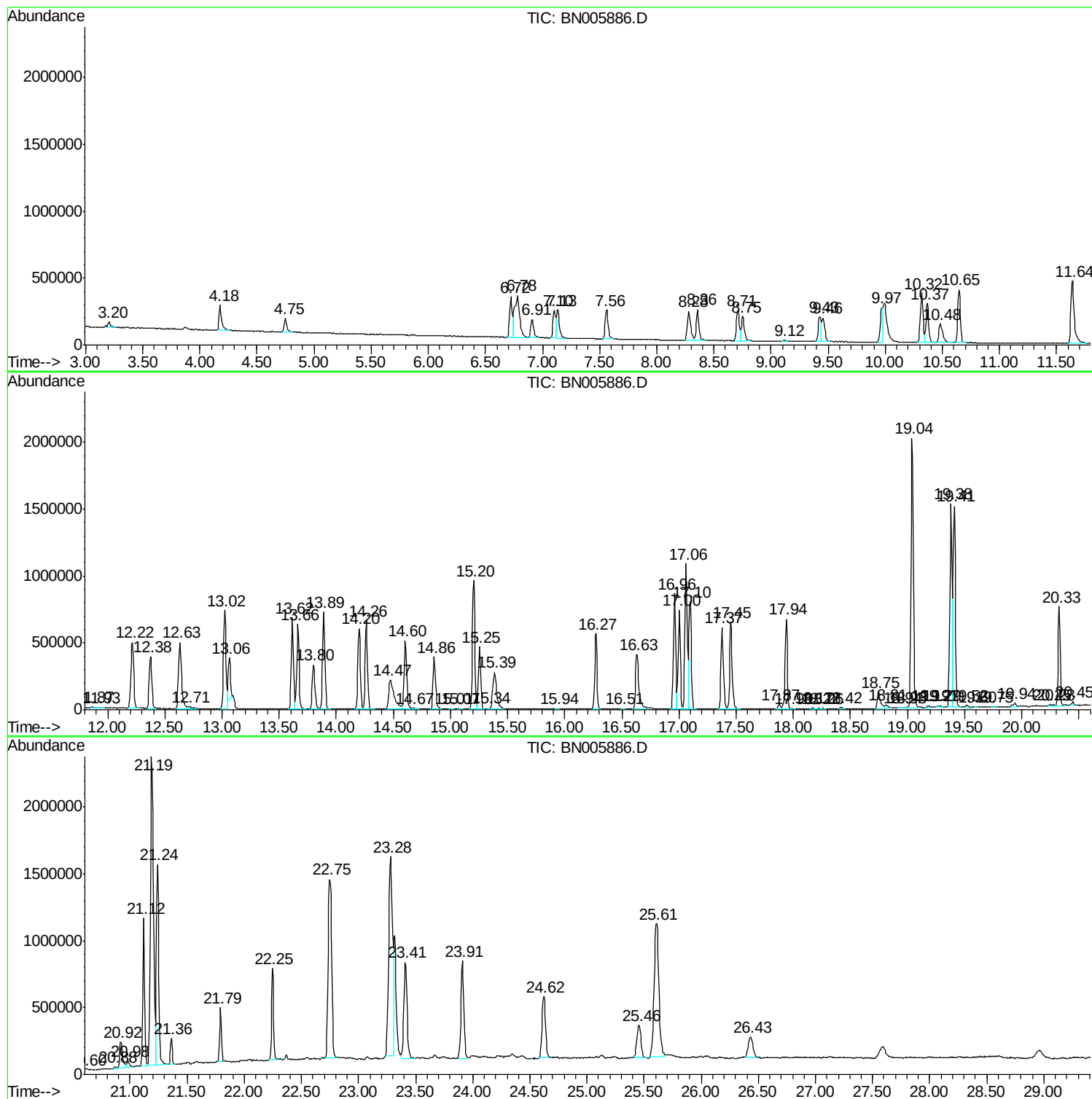
Sum of corrected areas: 64652507

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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



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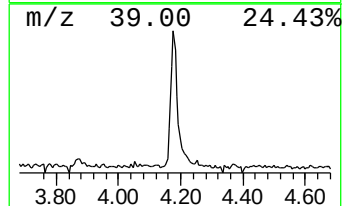
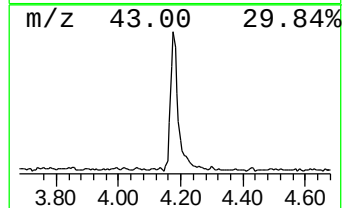
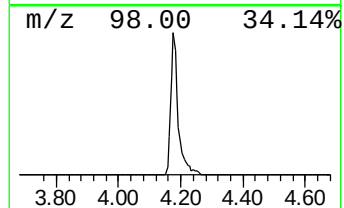
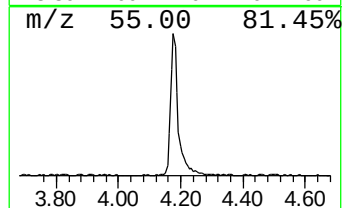
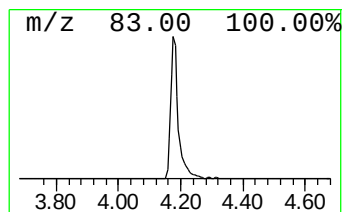
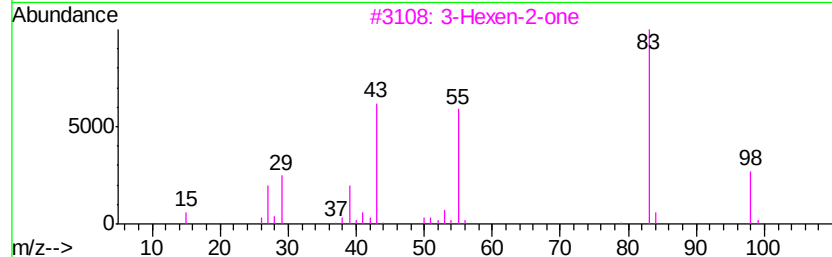
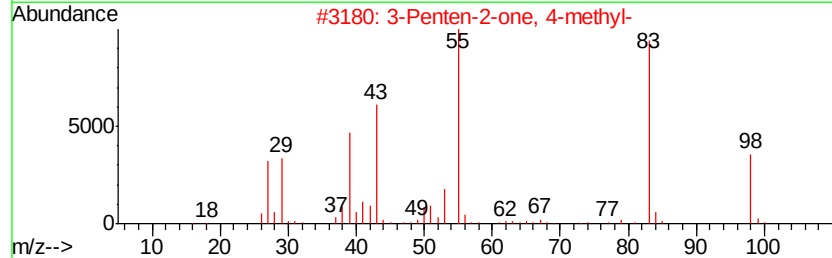
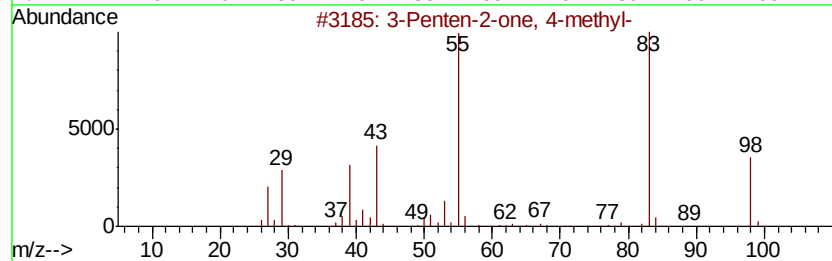
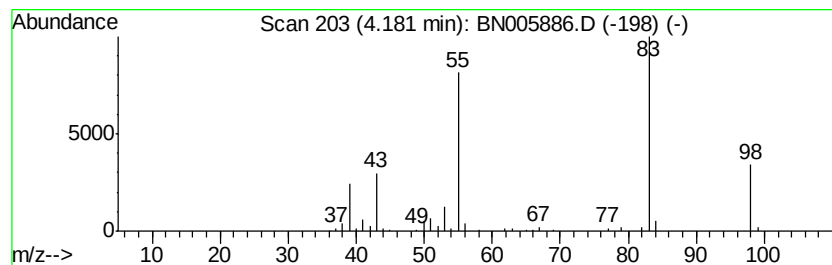
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	15.04 ng/ul	290420	1,4-Dichlorobenzene-d4	7.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3		3-Hexen-2-one	98	C6H10O	000763-93-9	91
4		3-Hexen-2-one	98	C6H10O	000763-93-9	91
5		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91



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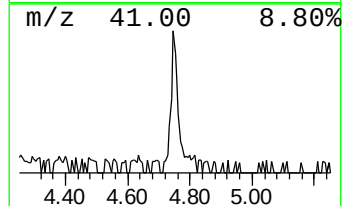
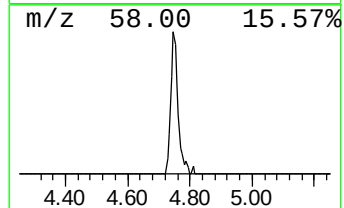
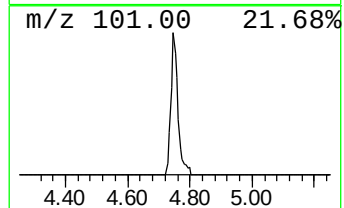
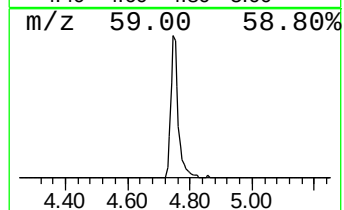
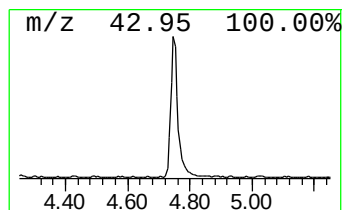
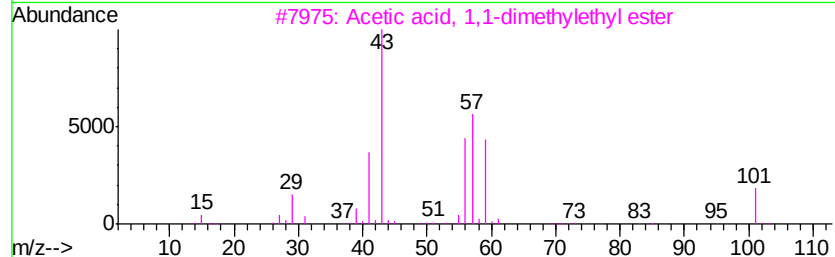
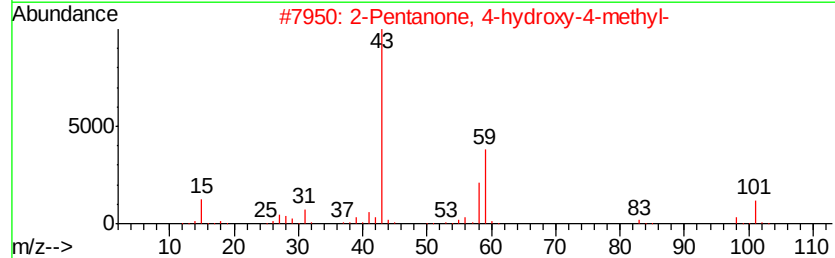
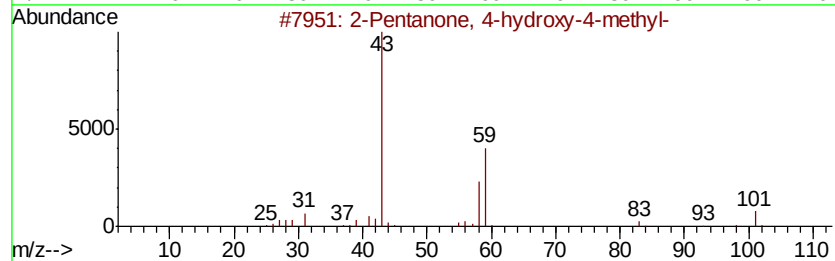
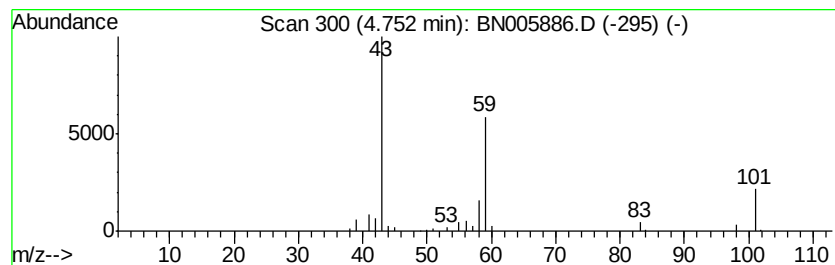
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
4.75	8.32 ng/ul	160652	1,4-Dichlorobenzene-d4	7.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40	
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40	
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38	
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35	
5	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25	



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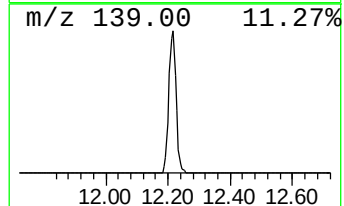
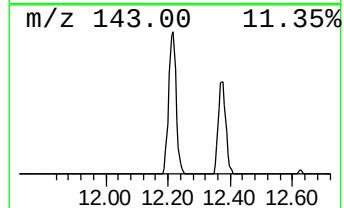
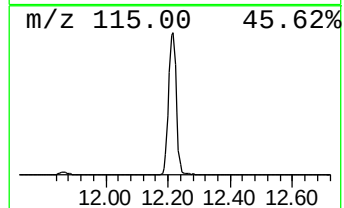
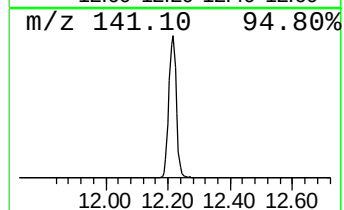
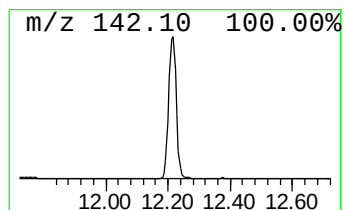
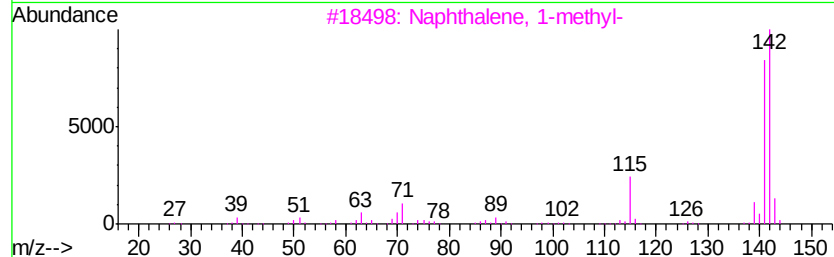
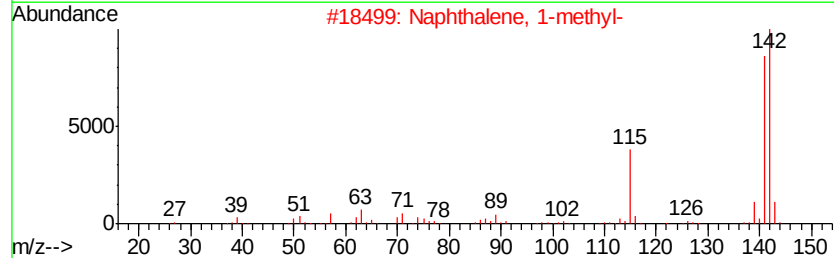
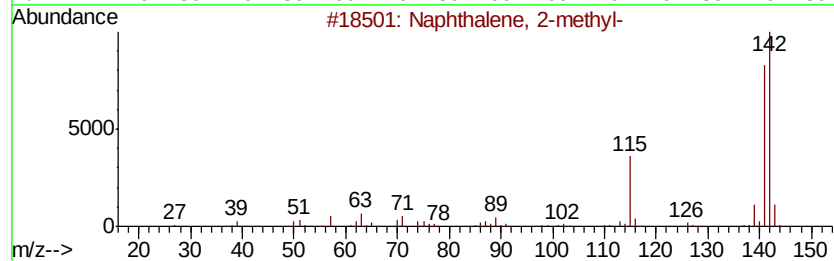
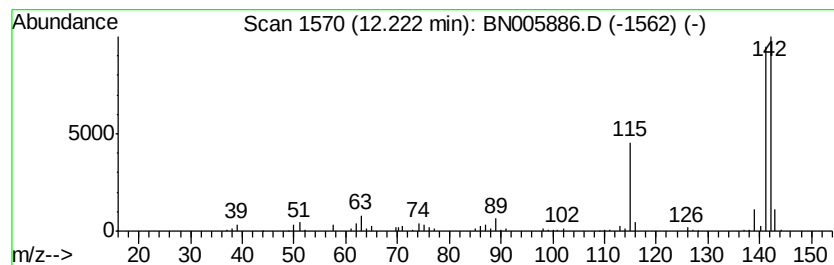
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	26.23 ng/ul	822042	Naphthalene-d8	10.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
2		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
3		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94
4		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94
5		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 94



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Acq On : 23 May 2019 18:15
Operator : JU/SJ
Sample : K2923-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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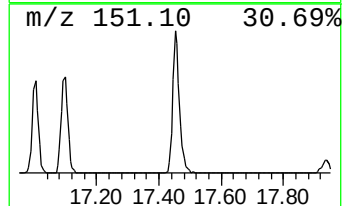
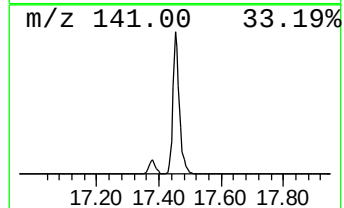
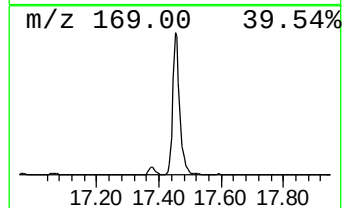
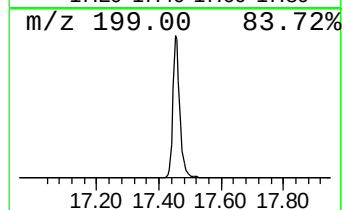
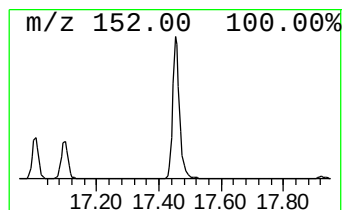
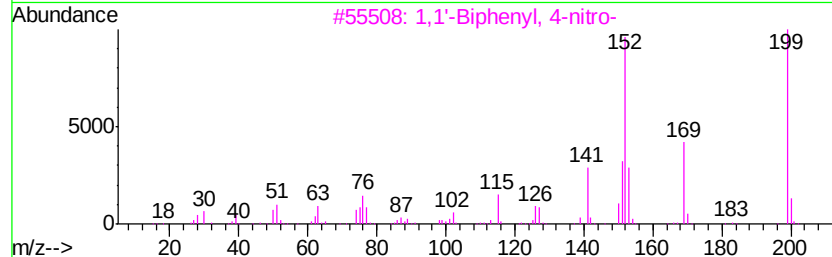
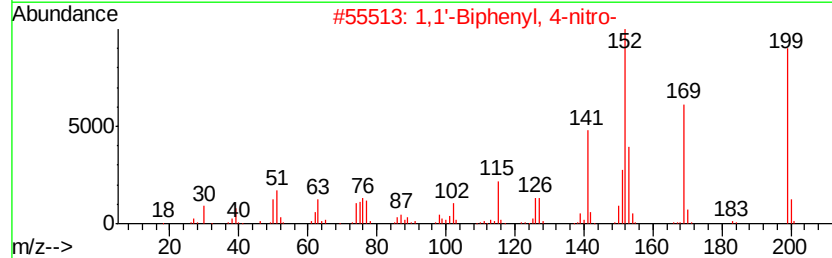
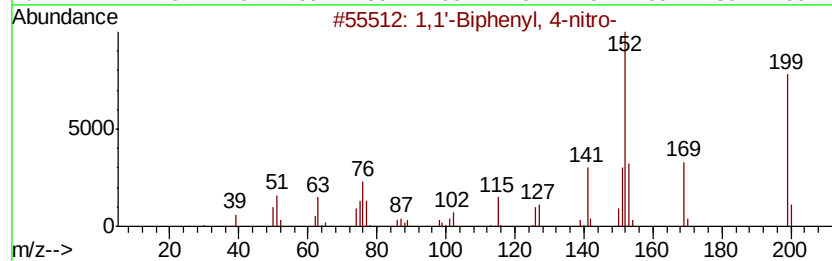
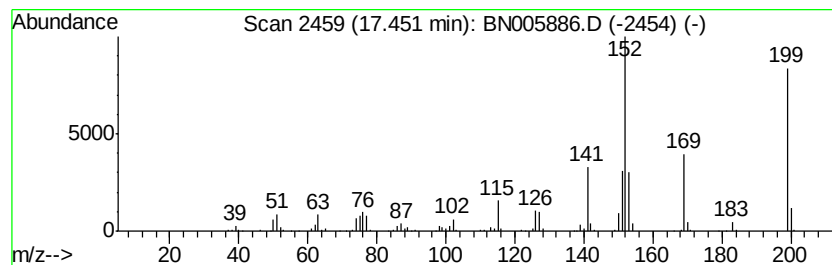
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 4-nitro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	16.29 ng/ul	998518	Phenanthrene-d10	16.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 4-nitro-	199	C12H9NO2	000092-93-3	98
2		1,1'-Biphenyl, 4-nitro-	199	C12H9NO2	000092-93-3	97
3		1,1'-Biphenyl, 4-nitro-	199	C12H9NO2	000092-93-3	96
4		Acenaphthylene, 1,2-dihydro-5-ni...	199	C12H9NO2	000602-87-9	94
5		1,1'-Biphenyl, 3-nitro-	199	C12H9NO2	002113-58-8	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
Data File : BN005886.D
Acq On : 23 May 2019 18:15
Operator : JU/SJ
Sample : K2923-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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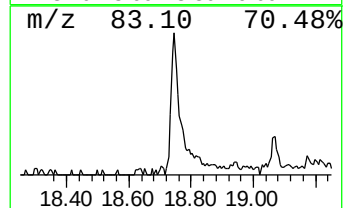
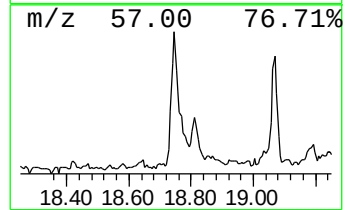
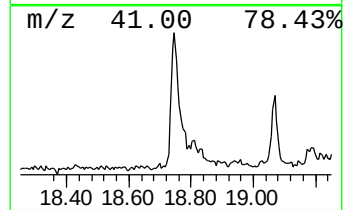
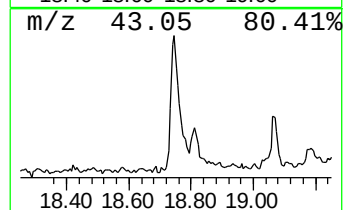
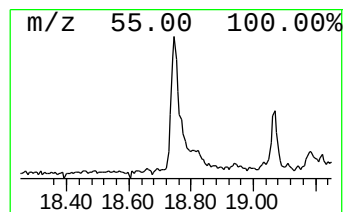
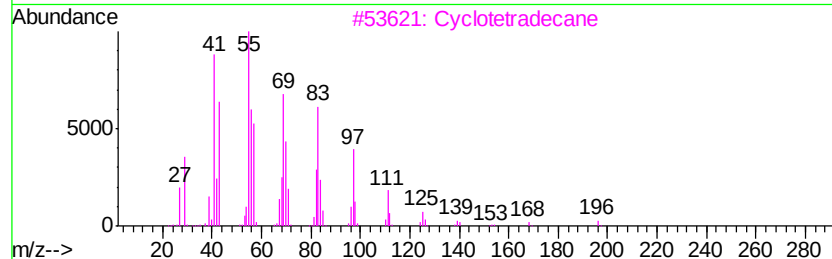
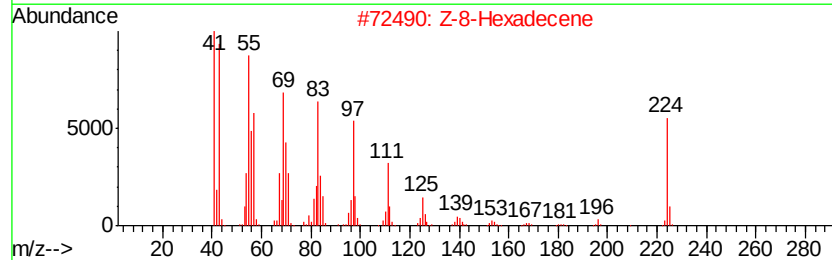
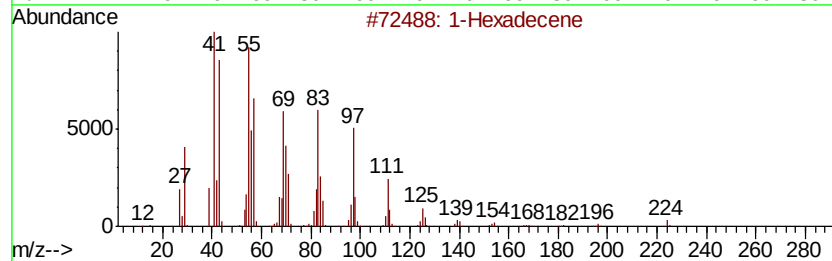
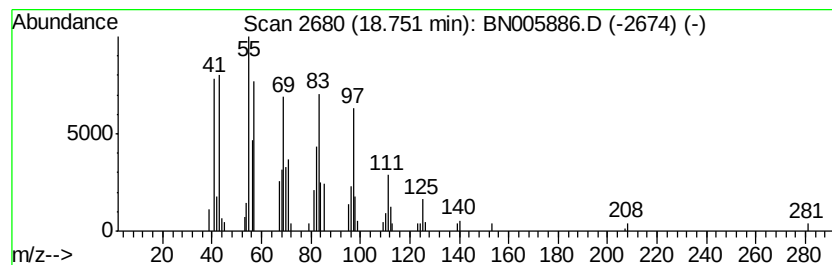
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic18.75 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.01 ng/ul	245969	Phenanthrene-d10	16.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexadecene	224	C16H32	000629-73-2	96
2		Z-8-Hexadecene	224	C16H32	1000130-87-5	95
3		Cyclotetradecane	196	C14H28	000295-17-0	94
4		Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	94
5		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
Data File : BN005886.D
Acq On : 23 May 2019 18:15
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Sample : K2923-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

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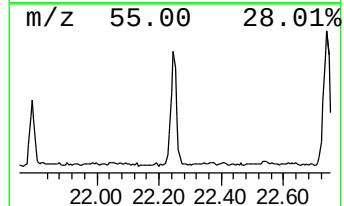
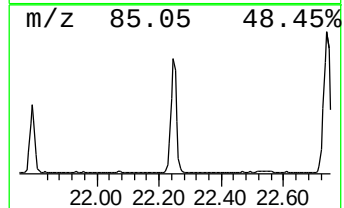
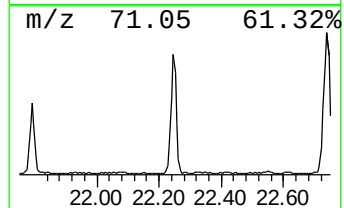
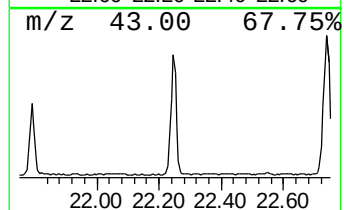
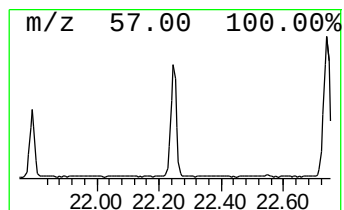
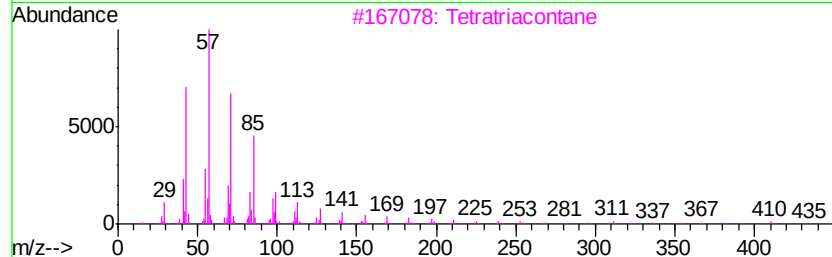
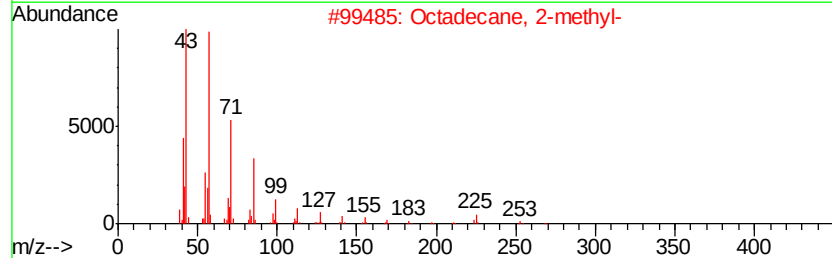
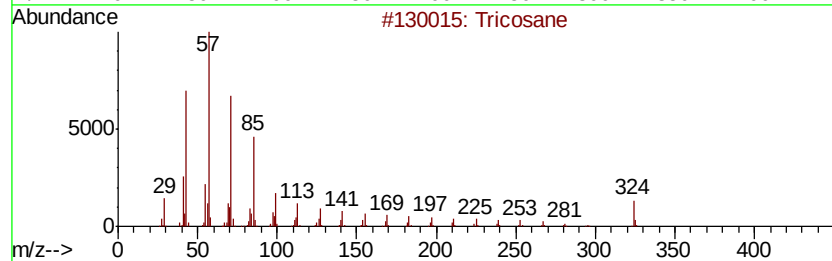
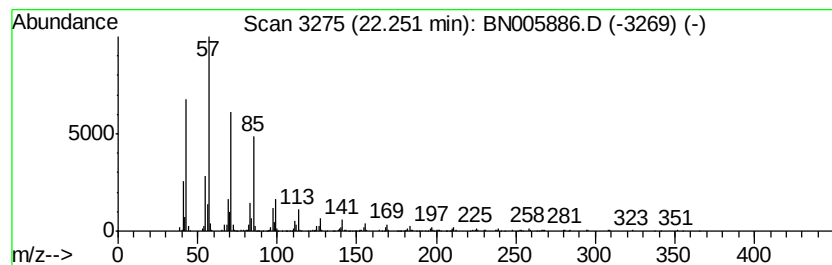
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	3.85 ng/ul	854822	Chrysene-d12	21.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane	324	C23H48	000638-67-5	95
2		Octadecane, 2-methyl-	268	C19H40	001560-88-9	94
3		Tetratriacontane	479	C34H70	014167-59-0	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
Data File : BN005886.D
Acq On : 23 May 2019 18:15
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Sample : K2923-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

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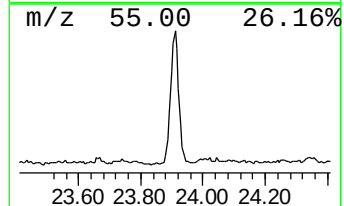
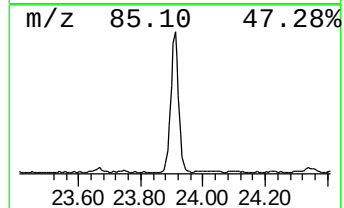
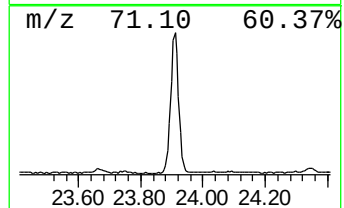
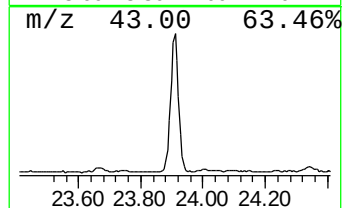
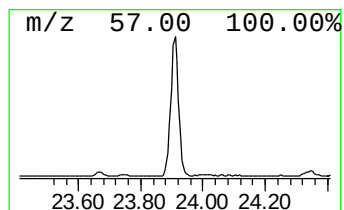
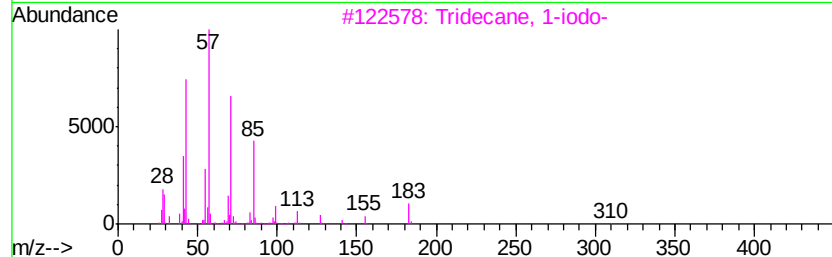
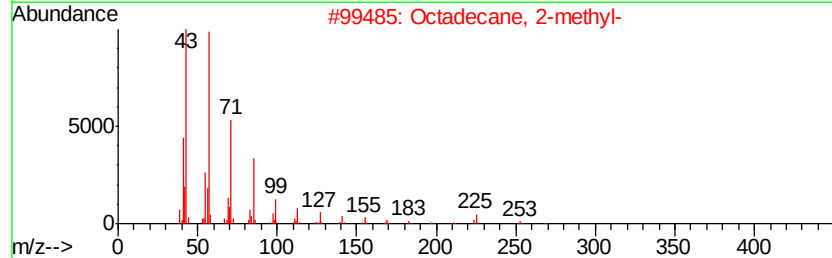
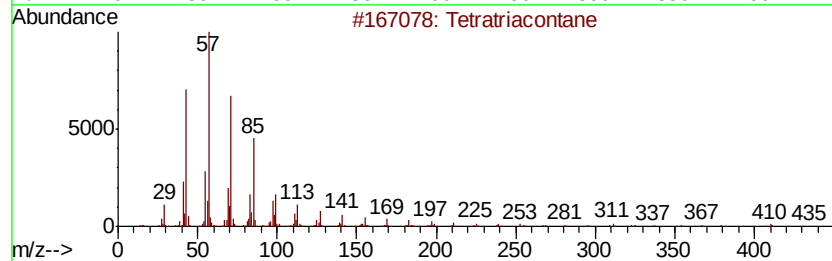
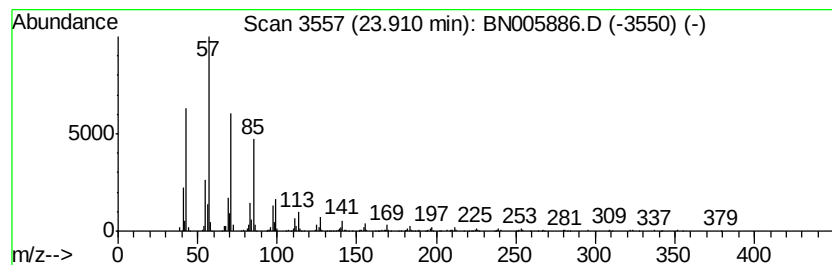
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.91	18.26 ng/ul	1290820	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratriacontane	479	C34H70	014167-59-0	94
2		Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
4		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
5		Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
Data File : BN005886.D
Acq On : 23 May 2019 18:15
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Sample : K2923-21
Misc :
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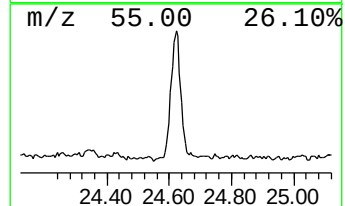
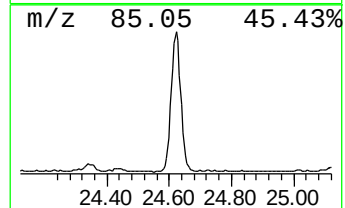
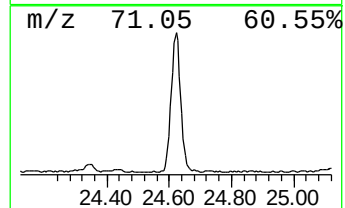
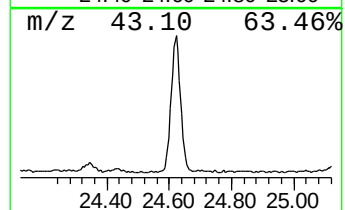
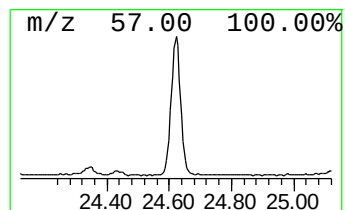
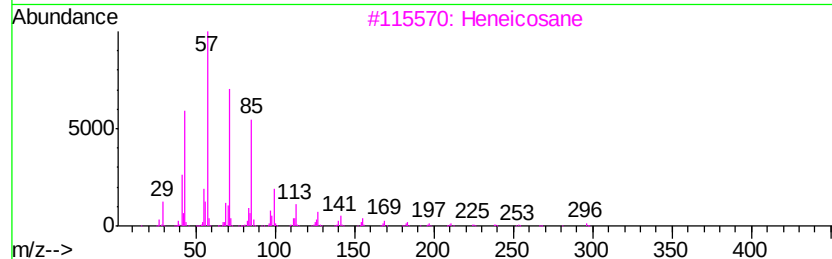
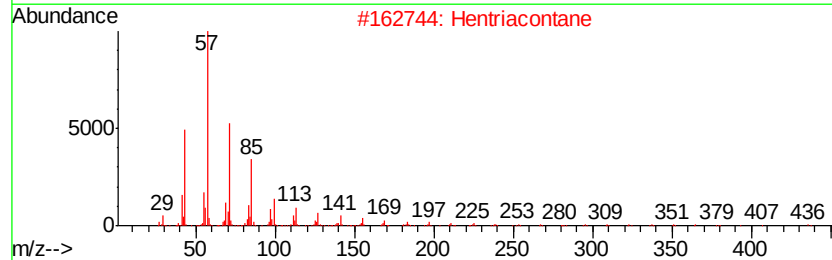
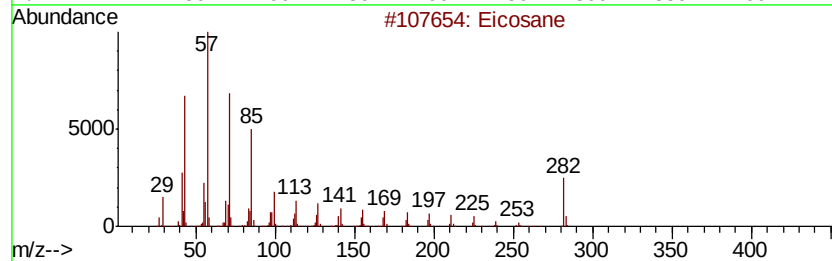
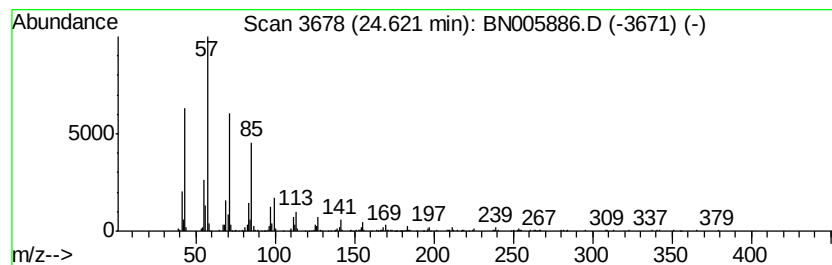
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	13.59 ng/ul	960872	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Hentriacontane	437	C31H64	000630-04-6	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Pentacosane	352	C25H52	000629-99-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
Data File : BN005886.D
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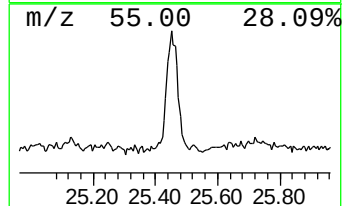
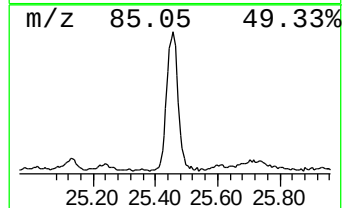
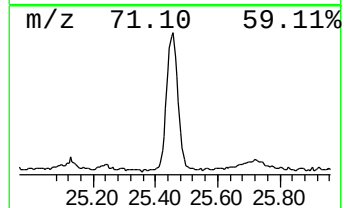
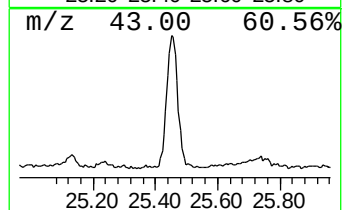
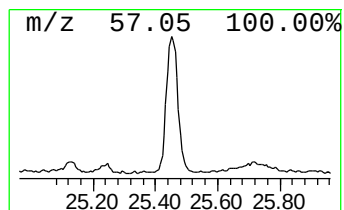
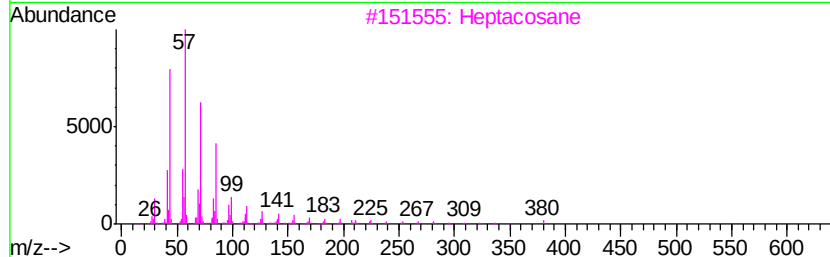
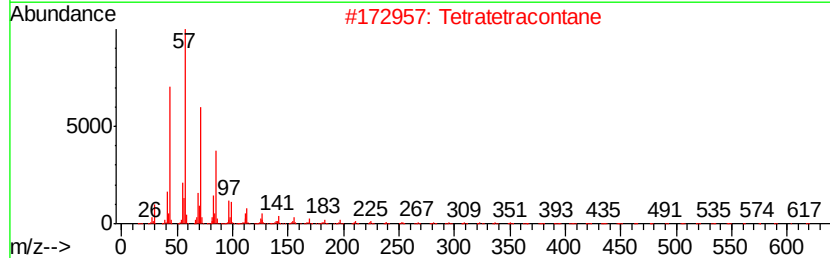
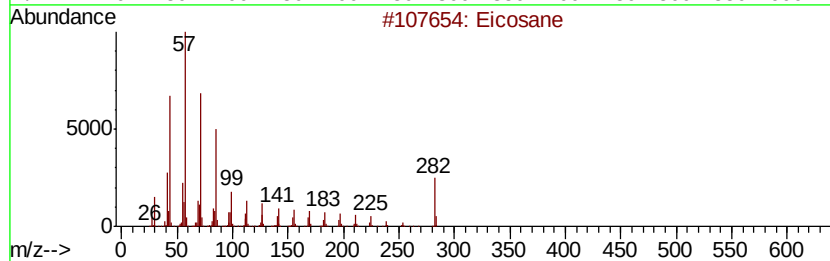
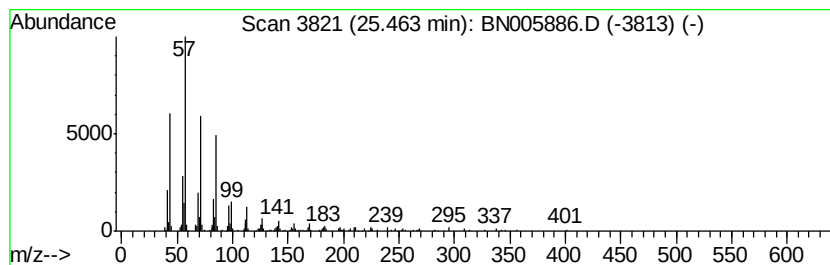
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.46	8.41 ng/ul	594592	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Tetratetracontane	619	C44H90	007098-22-8	93
3		Heptacosane	380	C27H56	000593-49-7	91
4		triacontane	422	C30H62	000638-68-6	90
5		Octacosane	394	C28H58	000630-02-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052319\
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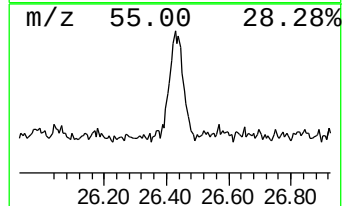
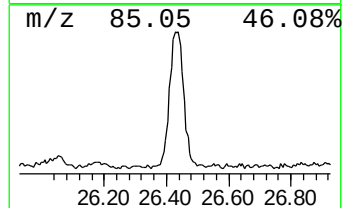
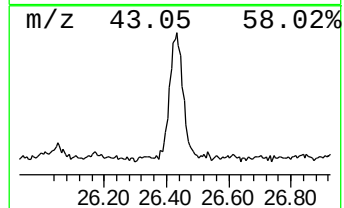
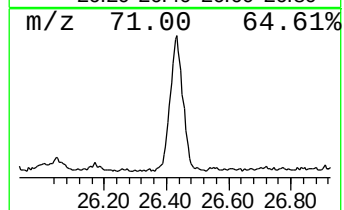
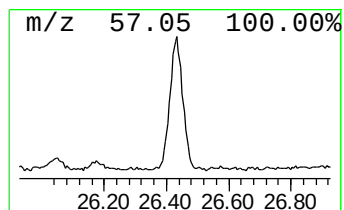
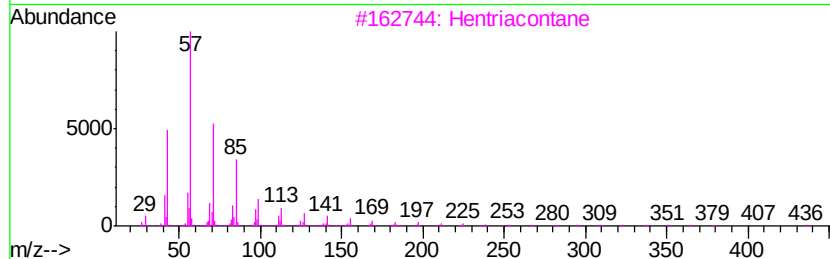
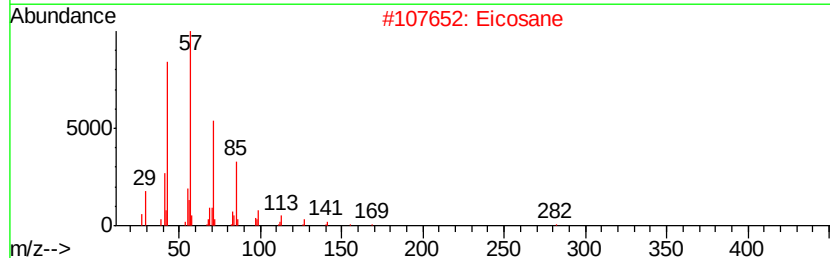
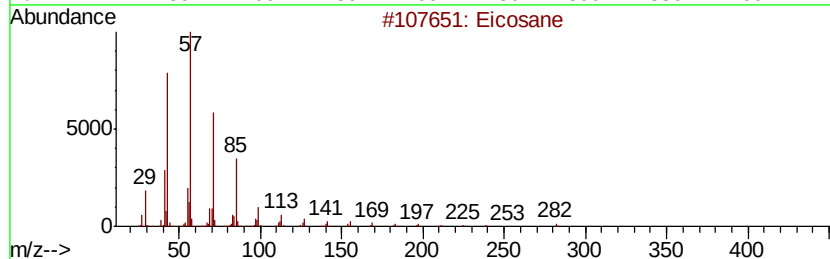
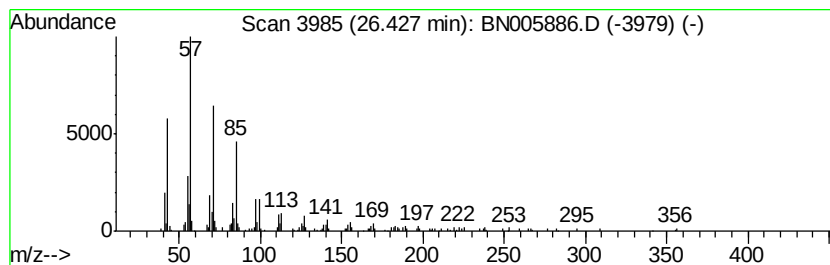
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.43	6.20 ng/ul	438169	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Eicosane	282	C20H42	000112-95-8	93
3		Hentriacontane	437	C31H64	000630-04-6	90
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
5		Tetratetracontane	619	C44H90	007098-22-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052319\
 Data File : BN005886.D
 Acq On : 23 May 2019 18:15
 Operator : JU/SJ
 Sample : K2923-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42E7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.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
3-Penten-2-one, 4...	4.18	15.0	ng/ul	290420	1	7.56	386261	20.0
2-Pentanone, 4-hy...	4.75	8.3	ng/ul	160652	1	7.56	386261	20.0
Naphthalene, 1-me...	12.22	26.2	ng/ul	822042	2	10.32	626719	20.0
1,1'-Biphenyl, 4-...	17.45	16.3	ng/ul	998518	4	16.96	1225840	20.0
(DEL) Alkane: Cyc...	18.75	4.0	ng/ul	245969	4	16.96	1225840	20.0
(DEL) Alkane: Str...	22.25	3.9	ng/ul	854822	5	21.20	4443850	20.0
(DEL) Alkane: Str...	23.91	18.3	ng/ul	1290820	6	23.41	1414170	20.0
(DEL) Alkane: Str...	24.62	13.6	ng/ul	960872	6	23.41	1414170	20.0
(DEL) Alkane: Str...	25.46	8.4	ng/ul	594592	6	23.41	1414170	20.0
(DEL) Alkane: Str...	26.43	6.2	ng/ul	438169	6	23.41	1414170	20.0