

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
 Data File : BM020866.D
 Acq On : 11 Jun 2019 10:07
 Operator : HP/JU
 Sample : K3017-16DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A51E9DL

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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	3.046	6	10	16	rBV	1958921	2263078	26.39%	2.518%
2	3.816	138	141	150	rVB	48829	74191	0.87%	0.083%
3	3.928	158	160	168	rVB3	18059	30284	0.35%	0.034%
4	4.934	327	331	337	rVB2	17558	27433	0.32%	0.031%
5	6.487	590	595	602	rVB3	23058	40287	0.47%	0.045%
6	6.969	672	677	686	rBV	156704	275968	3.22%	0.307%
7	7.145	699	707	715	rBV	125002	209199	2.44%	0.233%
8	7.340	734	740	747	rVB	180361	288307	3.36%	0.321%
9	7.810	813	820	827	rBV	1052918	1670620	19.48%	1.859%
10	8.510	932	939	953	rVB	193560	316487	3.69%	0.352%
11	8.969	1010	1017	1024	rBV	155384	259451	3.03%	0.289%
12	9.686	1133	1139	1148	rBV2	119861	200781	2.34%	0.223%
13	10.222	1222	1230	1239	rBV	195316	334483	3.90%	0.372%
14	10.316	1239	1246	1257	rBV	103262	212227	2.47%	0.236%
15	10.598	1287	1294	1301	rBV	1369590	2267909	26.45%	2.523%
16	10.745	1312	1319	1322	rBV3	30847	58472	0.68%	0.065%
17	10.786	1322	1326	1335	rVB	92888	156966	1.83%	0.175%
18	11.275	1402	1409	1415	rBV5	13730	28207	0.33%	0.031%
19	13.857	1842	1848	1852	rBV	363323	512319	5.97%	0.570%
20	13.904	1852	1856	1862	rVB	141554	190849	2.23%	0.212%
21	14.139	1890	1896	1908	rBV	411708	627444	7.32%	0.698%
22	14.445	1942	1948	1955	rBV2	1929759	2886393	33.66%	3.211%
23	14.510	1955	1959	1964	rVB2	38415	58719	0.68%	0.065%
24	14.651	1978	1983	1991	rBV	83770	140700	1.64%	0.157%
25	14.845	2013	2016	2023	rVB2	27124	42202	0.49%	0.047%
26	15.239	2078	2083	2090	rBV	40875	54978	0.64%	0.061%
27	15.439	2108	2117	2122	rBV	559257	791116	9.23%	0.880%
28	15.492	2122	2126	2133	rVB	55976	90233	1.05%	0.100%
29	15.563	2133	2138	2144	rBV2	39861	64957	0.76%	0.072%
30	15.939	2197	2202	2208	rVB2	15463	26558	0.31%	0.030%
31	16.174	2231	2242	2247	rBV5	31524	58621	0.68%	0.065%
32	16.374	2271	2276	2278	rBV	54828	89283	1.04%	0.099%
33	16.404	2278	2281	2288	rVV2	127771	183100	2.14%	0.204%
34	16.851	2352	2357	2363	rVB	107458	155652	1.82%	0.173%

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35	16.921	2363	2369	2370	rBV5	14508	24904	0.29%	0.028%
36	16.945	2370	2373	2376	rVV5	20197	30209	0.35%	0.034%
37	17.009	2380	2384	2389	rVB	91668	126846	1.48%	0.141%
38	17.104	2394	2400	2404	rBV	23607	37354	0.44%	0.042%
39	17.192	2409	2415	2419	rVV2	2402979	3494474	40.75%	3.888%
40	17.233	2419	2422	2427	rVV	2183467	2859303	33.34%	3.181%
41	17.292	2427	2432	2436	rVV	568315	876027	10.22%	0.975%
42	17.321	2436	2437	2442	rVV	130667	137076	1.60%	0.153%
43	17.386	2442	2448	2453	rVB	138222	204508	2.38%	0.228%
44	17.598	2475	2484	2493	rBV	365601	588829	6.87%	0.655%
45	17.709	2500	2503	2508	rVV3	40719	62842	0.73%	0.070%
46	17.768	2509	2513	2520	rVB4	33173	54077	0.63%	0.060%
47	17.904	2533	2536	2540	rBV4	17377	25253	0.29%	0.028%
48	18.068	2558	2564	2568	rVV	208122	335304	3.91%	0.373%
49	18.115	2568	2572	2577	rVV	246679	355928	4.15%	0.396%
50	18.192	2581	2585	2591	rVB3	21176	36258	0.42%	0.040%
51	18.262	2591	2597	2601	rBV3	315028	543230	6.33%	0.604%
52	18.298	2601	2603	2608	rVB	108667	123598	1.44%	0.138%
53	18.374	2612	2616	2620	rBV5	37767	56353	0.66%	0.063%
54	18.415	2620	2623	2626	rVV2	36234	39729	0.46%	0.044%
55	18.451	2626	2629	2635	rVB7	25795	46276	0.54%	0.051%
56	18.503	2635	2638	2644	rVB5	20948	33377	0.39%	0.037%
57	18.568	2644	2649	2652	rBV	202382	292274	3.41%	0.325%
58	18.609	2652	2656	2661	rVB	832623	1042718	12.16%	1.160%
59	18.809	2687	2690	2695	rBV2	41928	56073	0.65%	0.062%
60	18.862	2695	2699	2702	rVV2	44981	53808	0.63%	0.060%
61	18.903	2702	2706	2709	rVB2	41697	50305	0.59%	0.056%
62	18.992	2715	2721	2726	rBV3	156862	313444	3.66%	0.349%
63	19.074	2733	2735	2738	rVB	30370	30378	0.35%	0.034%
64	19.127	2739	2744	2750	rBV	238416	350608	4.09%	0.390%
65	19.251	2759	2765	2771	rVB	6486322	8575534	100.00%	9.541%
66	19.309	2771	2775	2778	rBV3	57280	87609	1.02%	0.097%
67	19.351	2778	2782	2786	rBV	100033	143252	1.67%	0.159%
68	19.398	2787	2790	2793	rVB2	32600	35936	0.42%	0.040%
69	19.445	2794	2798	2802	rBV3	89350	160771	1.87%	0.179%
70	19.492	2803	2806	2811	rVB	157290	209544	2.44%	0.233%
71	19.580	2816	2821	2823	rVV3	1331414	1909827	22.27%	2.125%

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72	19.615	2823	2827	2834	rVV	4754779	6407001	74.71%	7.128%
73	19.680	2834	2838	2844	rVB3	189744	282917	3.30%	0.315%
74	19.792	2853	2857	2862	rVB	217687	266027	3.10%	0.296%
75	19.856	2863	2868	2875	rVB	189464	298713	3.48%	0.332%
76	19.927	2876	2880	2888	rBV3	202778	503839	5.88%	0.561%
77	19.992	2888	2891	2898	rBV2	114009	154492	1.80%	0.172%
78	20.068	2899	2904	2906	rVV4	163572	291004	3.39%	0.324%
79	20.109	2907	2911	2916	rVB	439658	662547	7.73%	0.737%
80	20.203	2923	2927	2931	rBV	286857	384291	4.48%	0.428%
81	20.262	2931	2937	2941	rVV2	281871	493513	5.75%	0.549%
82	20.303	2941	2944	2947	rVB2	110848	119294	1.39%	0.133%
83	20.345	2948	2951	2956	rBV6	61725	89498	1.04%	0.100%
84	20.403	2958	2961	2964	rBV	128872	153480	1.79%	0.171%
85	20.450	2966	2969	2972	rVV2	117575	137633	1.60%	0.153%
86	20.850	3033	3037	3042	rBV	560858	738859	8.62%	0.822%
87	21.021	3060	3066	3069	rBV2	664909	1077674	12.57%	1.199%
88	21.056	3069	3072	3074	rBV	358865	388304	4.53%	0.432%
89	21.150	3084	3088	3098	rVB2	691192	993389	11.58%	1.105%
90	21.368	3115	3125	3129	rBV3	3716416	7923056	92.39%	8.815%
91	21.409	3129	3132	3141	rVB	3124015	3925542	45.78%	4.368%
92	21.527	3148	3152	3157	rBV	352304	568494	6.63%	0.633%
93	21.692	3175	3180	3184	rBV2	388867	631700	7.37%	0.703%
94	21.986	3227	3230	3237	rVB2	549455	895696	10.44%	0.997%
95	22.968	3390	3397	3403	rBV	3087721	7986427	93.13%	8.886%
96	23.462	3475	3481	3486	rBV	1686165	3066134	35.75%	3.411%
97	23.556	3493	3497	3504	rVB	1948427	3571625	41.65%	3.974%
98	23.656	3508	3514	3519	rBV	1925823	3559963	41.51%	3.961%
99	25.974	3901	3908	3920	rVB2	1374078	3945540	46.01%	4.390%
100	26.685	4024	4029	4038	rVB	870709	2271323	26.49%	2.527%

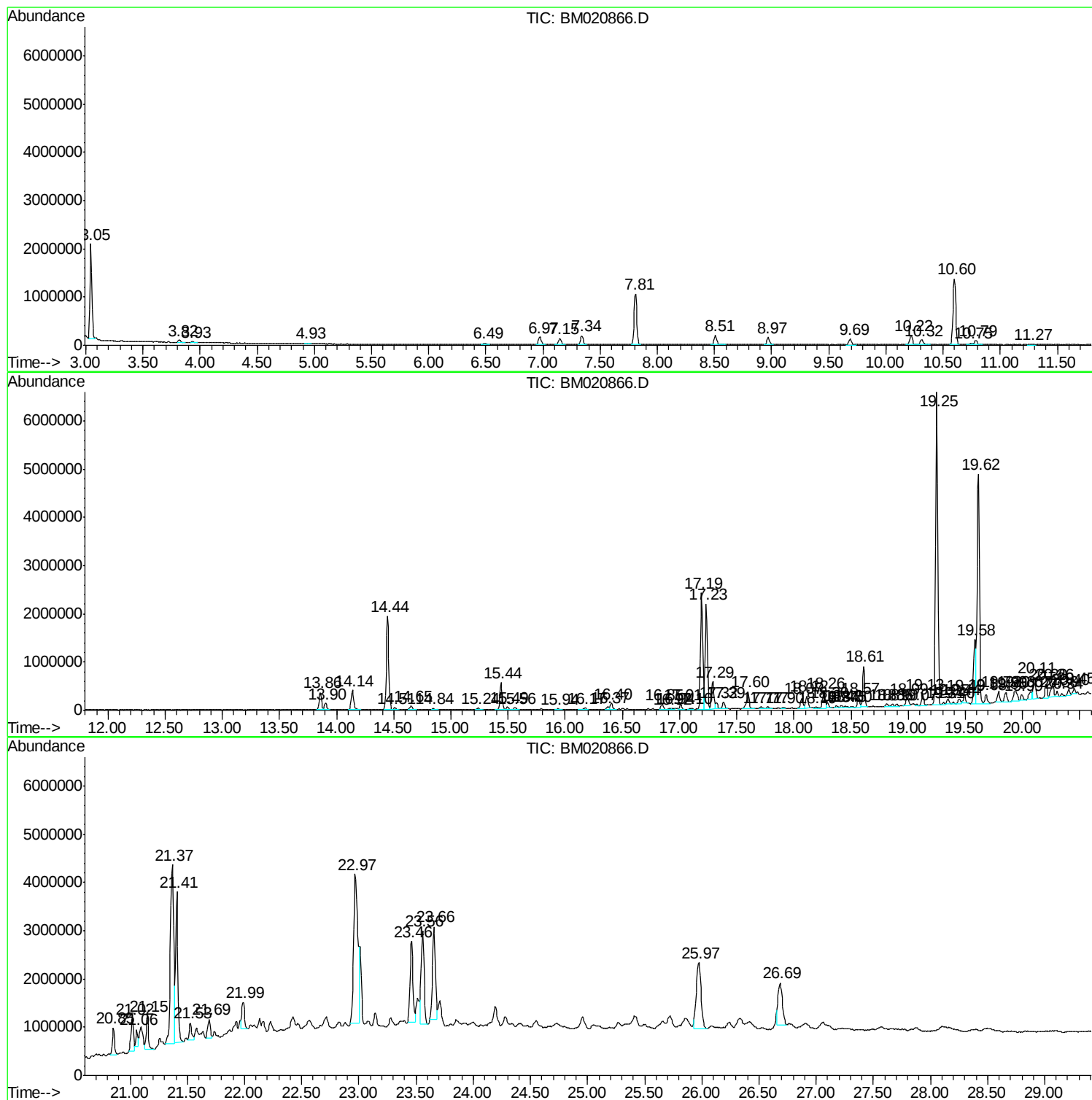
Sum of corrected areas: 89879285

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



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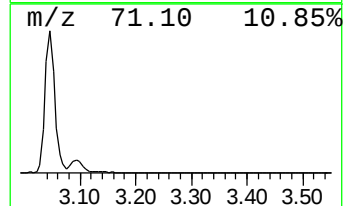
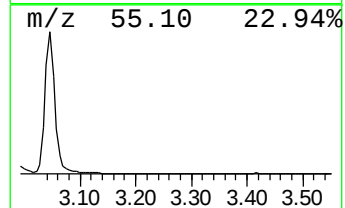
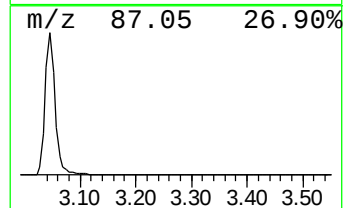
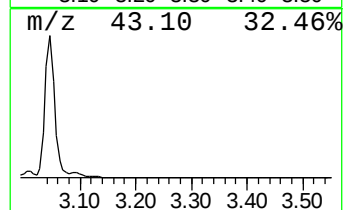
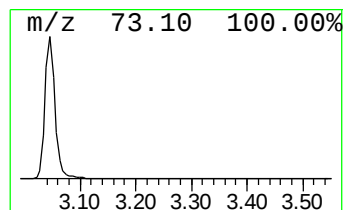
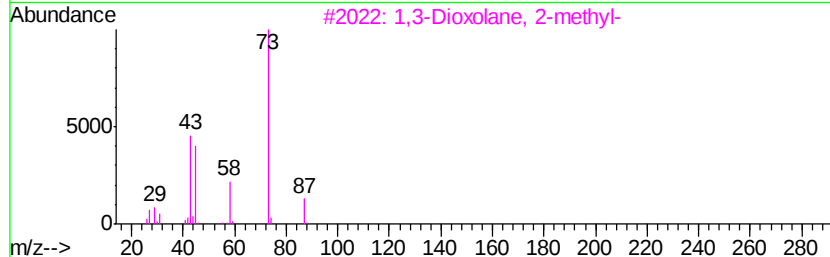
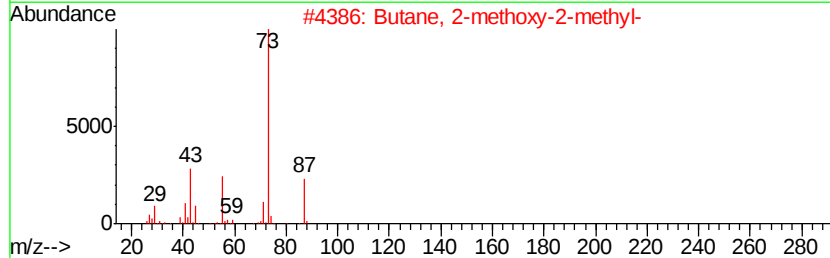
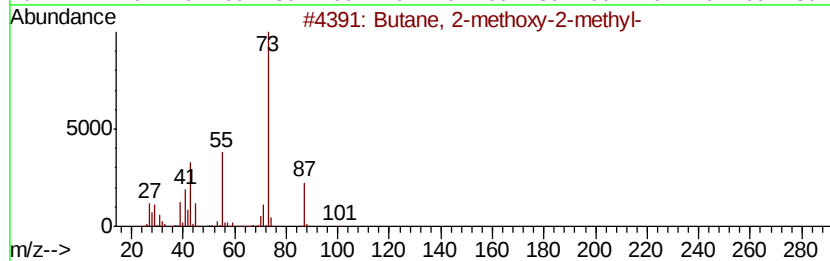
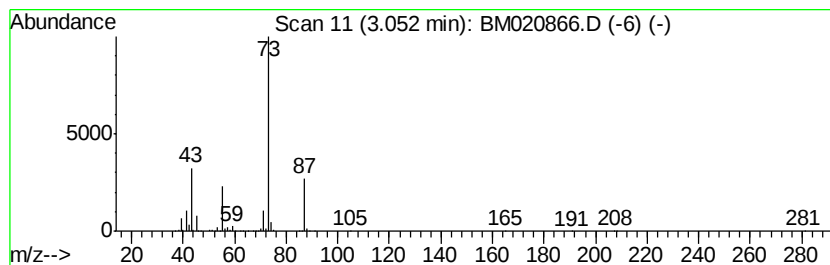
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	27.09 ng/ul	2263080	1,4-Dichlorobenzene-d4	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



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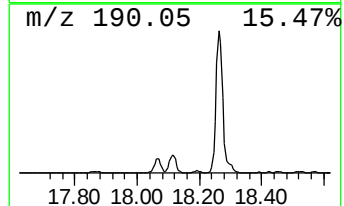
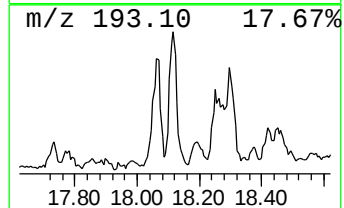
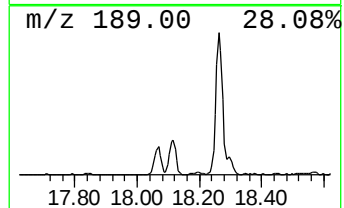
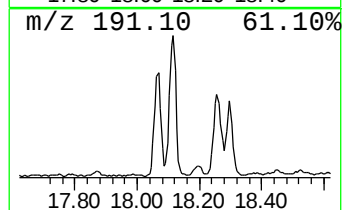
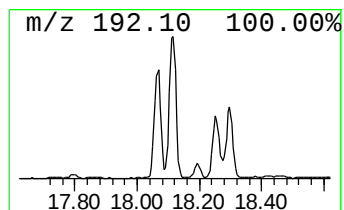
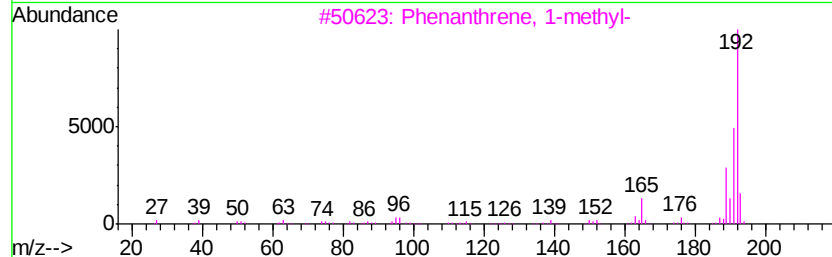
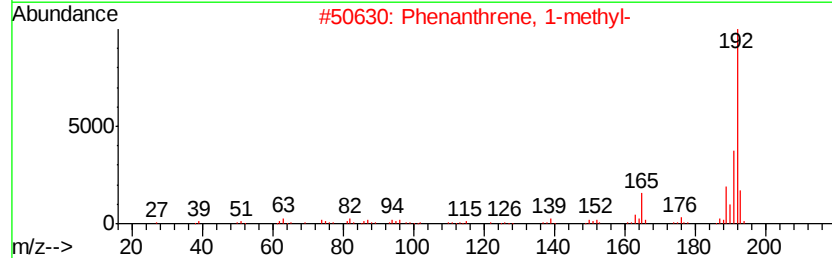
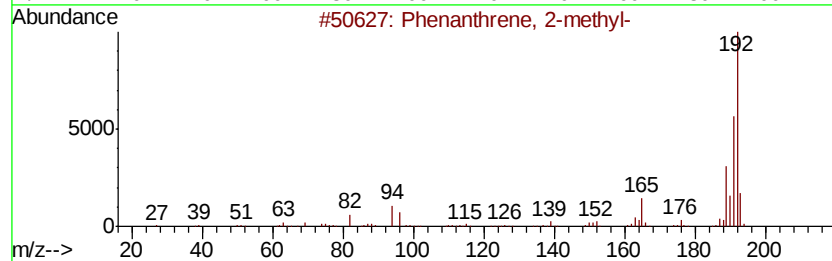
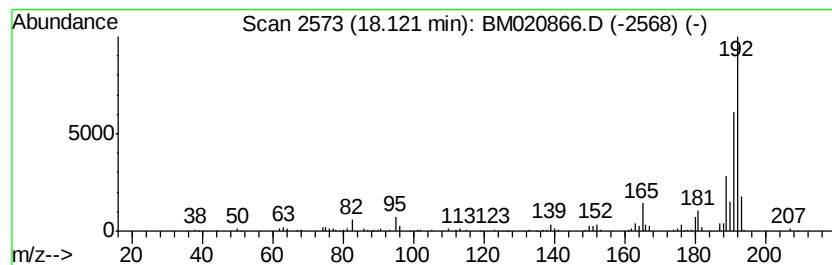
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.04 ng/ul	355928	Phenanthrene-d10	17.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93	



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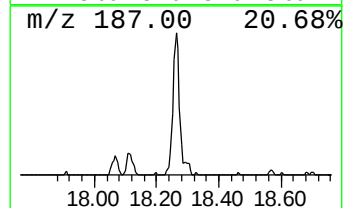
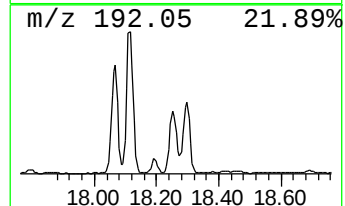
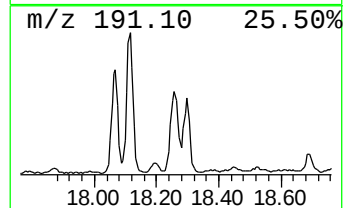
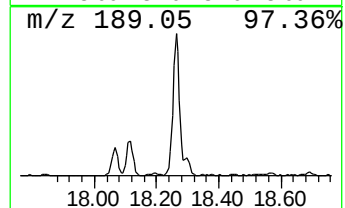
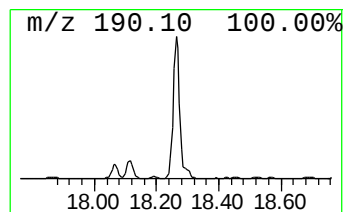
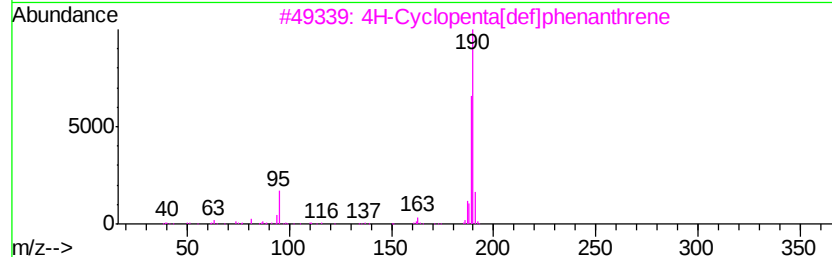
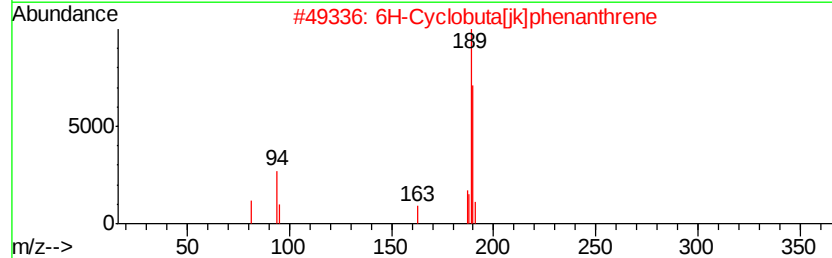
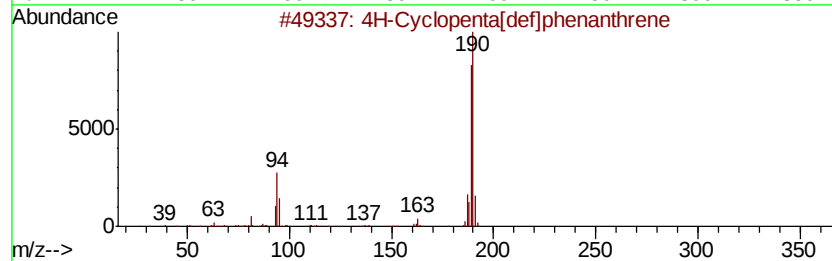
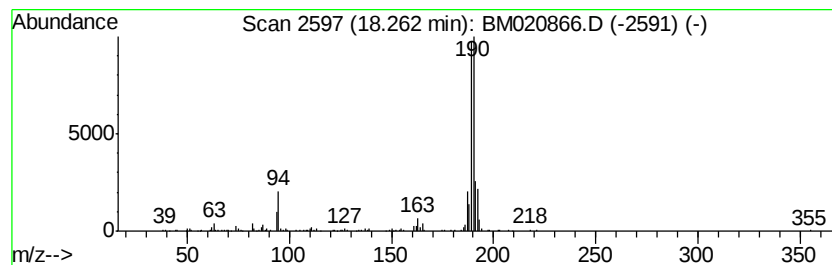
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.26	3.11 ng/ul	543230	Phenanthrene-d10	17.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



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Data File : BM020866.D
Acq On : 11 Jun 2019 10:07
Operator : HP/JU
Sample : K3017-16DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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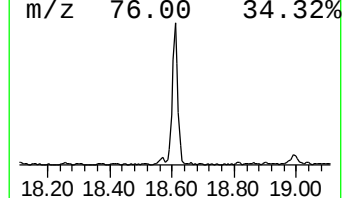
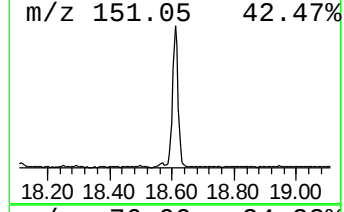
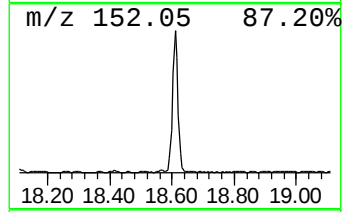
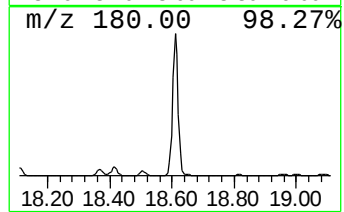
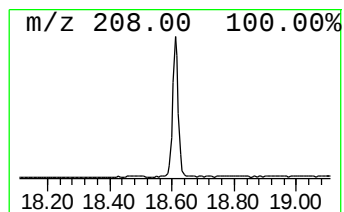
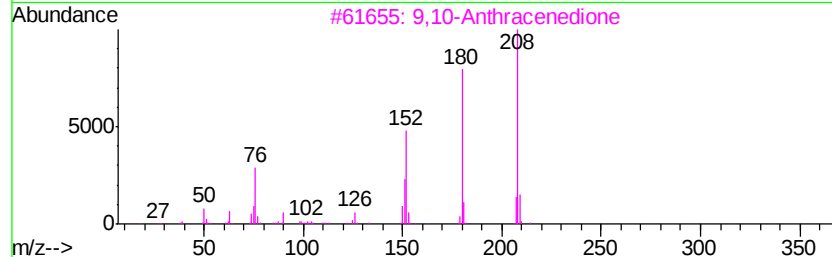
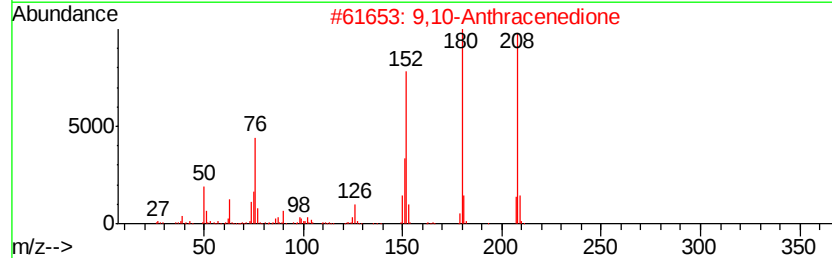
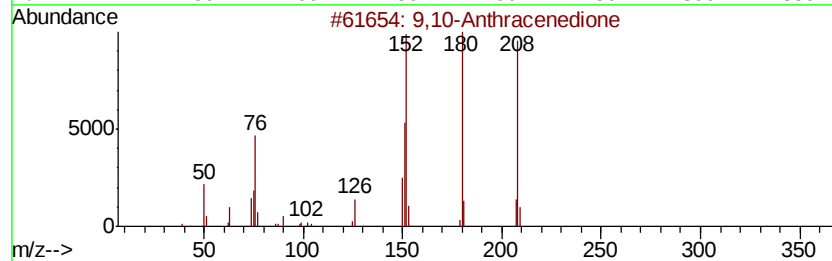
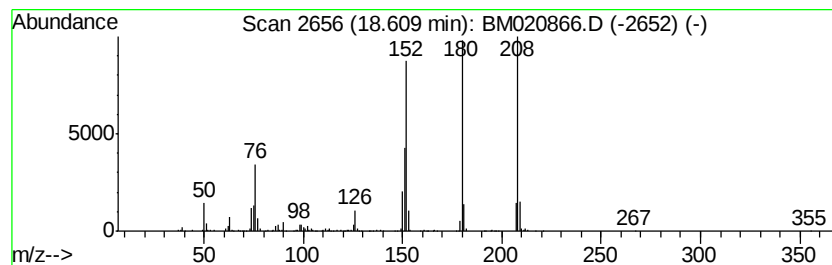
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.61	5.97 ng/ul	1042720	Phenanthrene-d10		17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione			208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione			208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione			208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
Data File : BM020866.D
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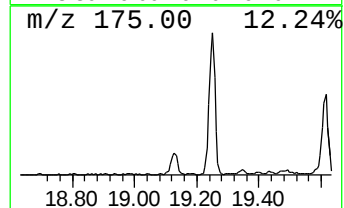
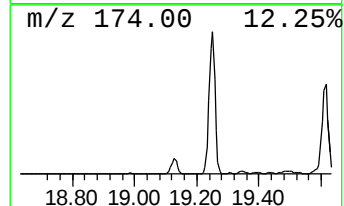
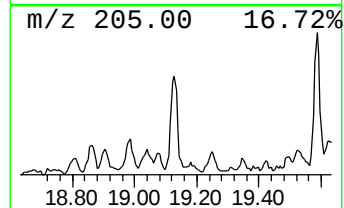
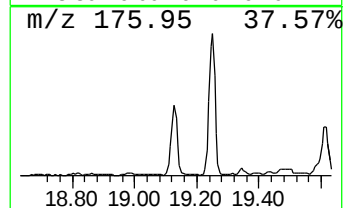
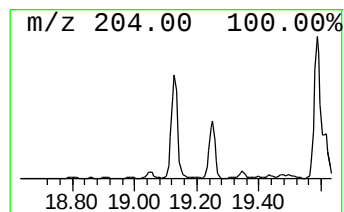
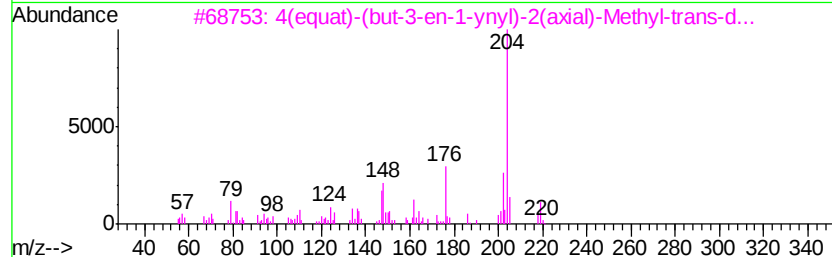
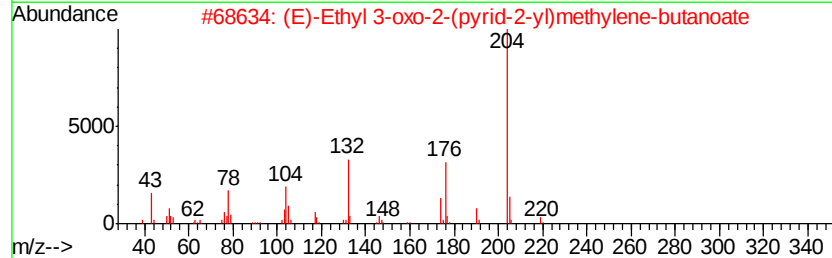
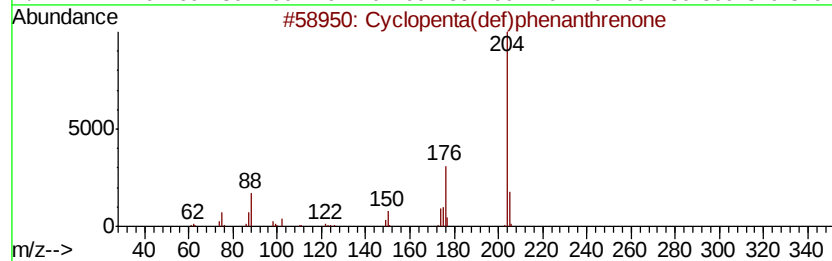
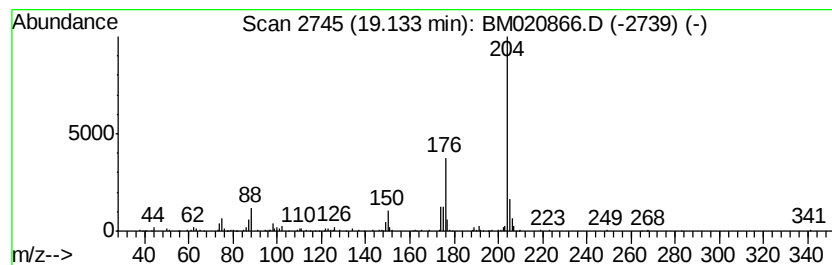
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.01 ng/ul	350608	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	50
3		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38



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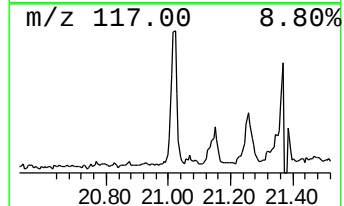
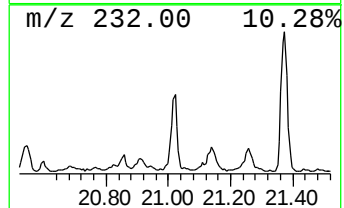
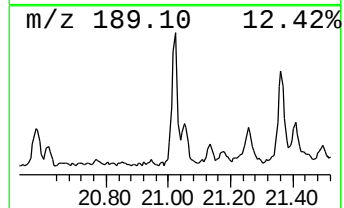
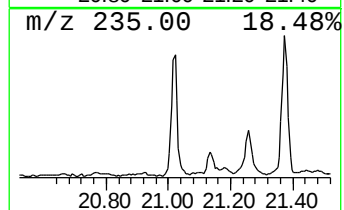
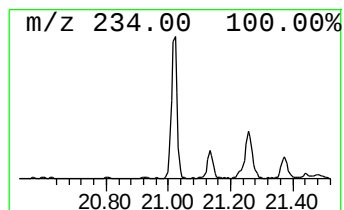
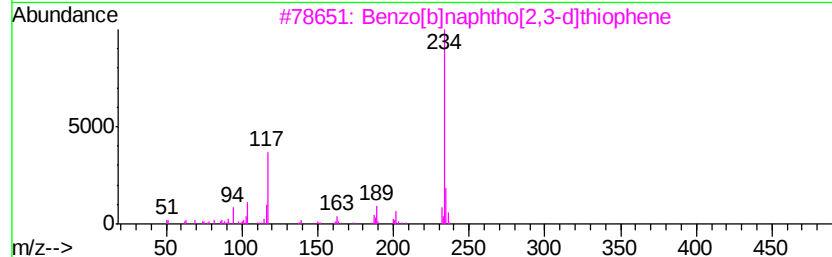
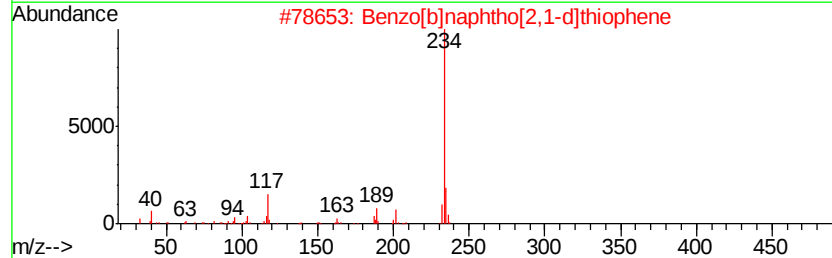
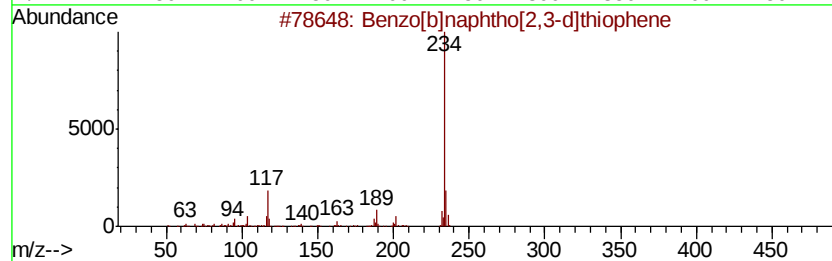
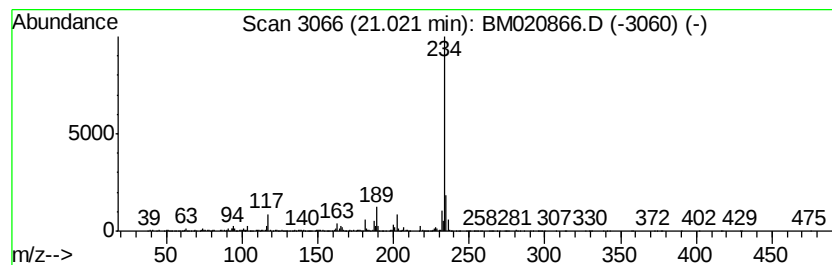
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.72 ng/ul	1077670	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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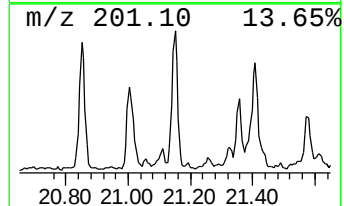
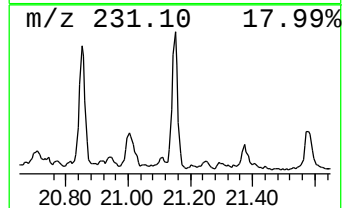
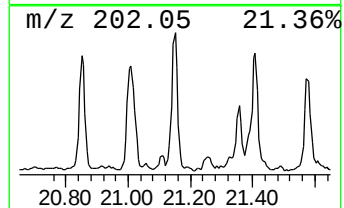
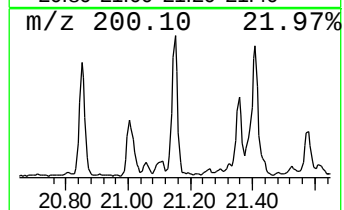
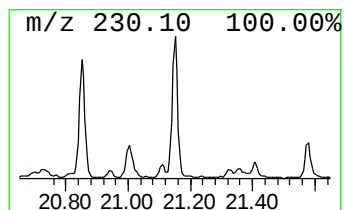
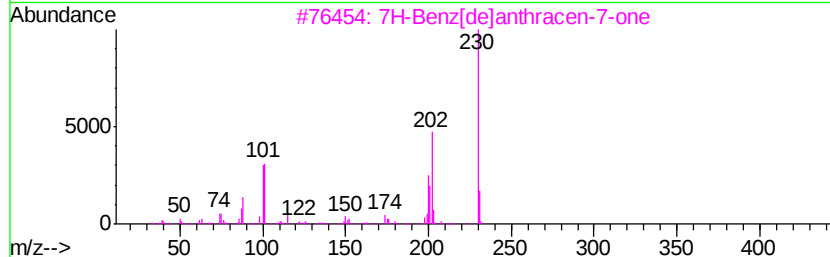
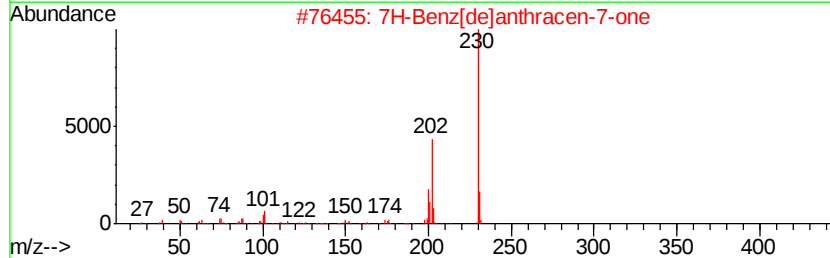
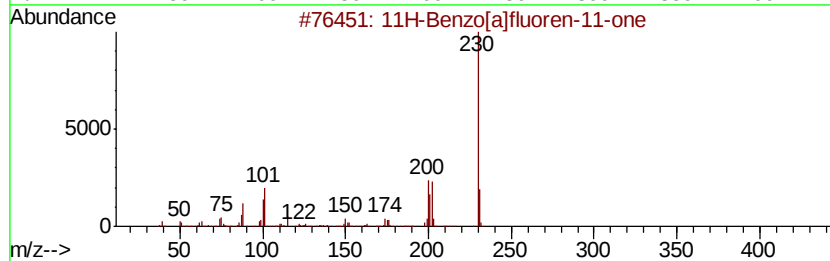
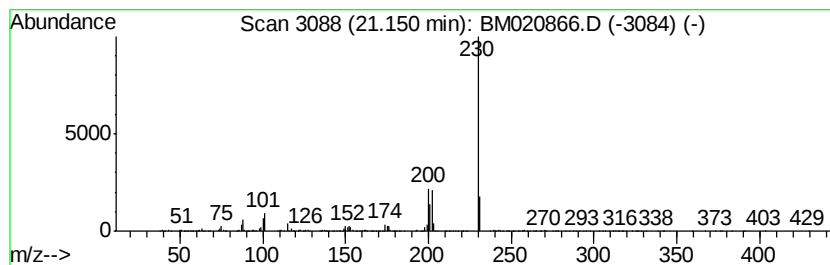
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	2.51 ng/ul	993389	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
Data File : BM020866.D
Acq On : 11 Jun 2019 10:07
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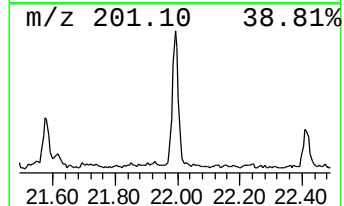
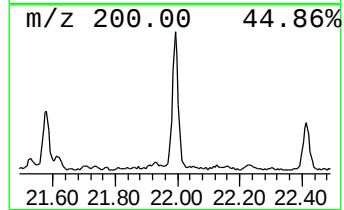
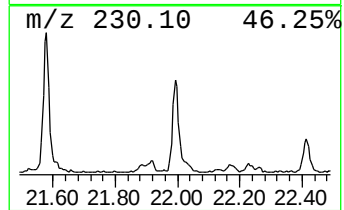
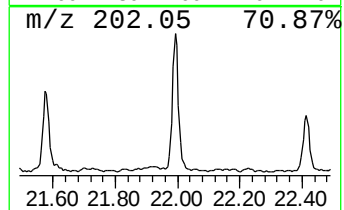
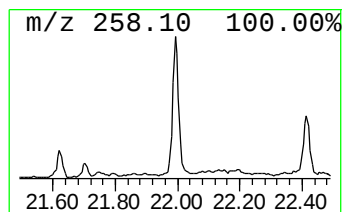
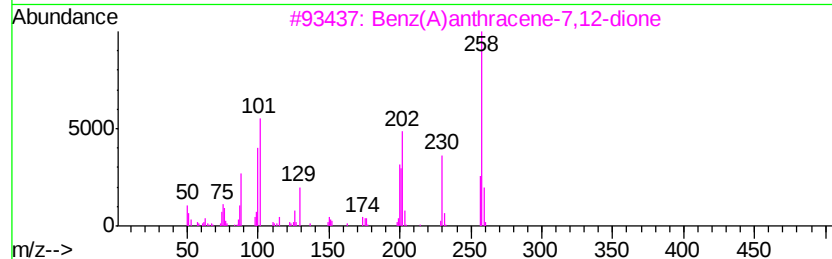
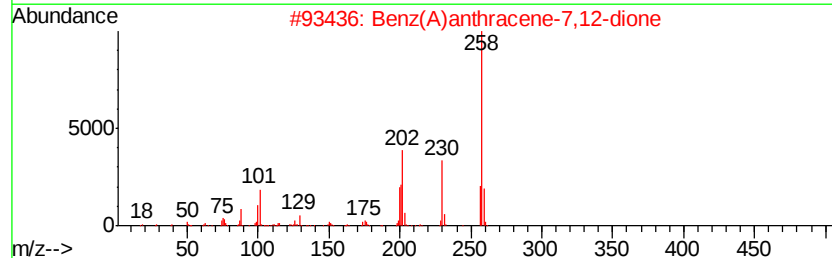
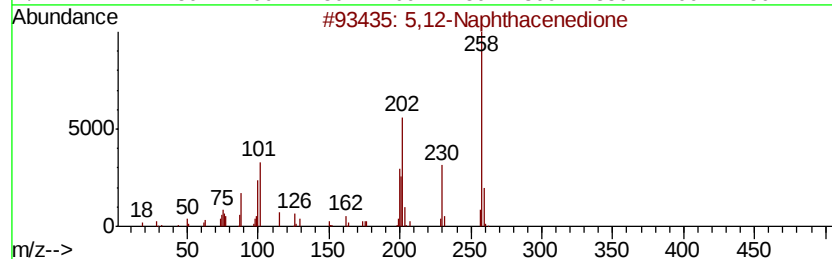
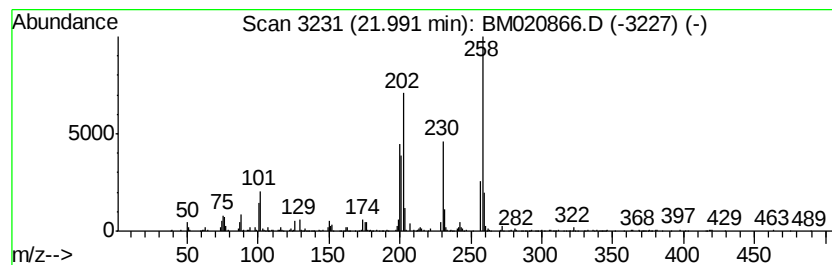
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 5,12-Naphthacenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.26 ng/ul	895696	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061119\
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Misc :
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Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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					#	RT	Resp	Conc
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Phenanthrene, 2-m...	18.12	2.0	ng/ul	355928	4	17.19	3494470	20.0
4H-Cyclopenta[def...	18.26	3.1	ng/ul	543230	4	17.19	3494470	20.0
9,10-Anthracenedione	18.61	6.0	ng/ul	1042720	4	17.19	3494470	20.0
Cyclopenta(def)ph...	19.13	2.0	ng/ul	350608	4	17.19	3494470	20.0
Benzo[b]naphtho[2...	21.02	2.7	ng/ul	1077670	5	21.37	7923060	20.0
11H-Benzo[a]fluor...	21.15	2.5	ng/ul	993389	5	21.37	7923060	20.0
5,12-Naphthacened...	21.99	2.3	ng/ul	895696	5	21.37	7923060	20.0