

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042211.D
 Acq On : 14 Aug 2019 15:48
 Operator : HP/JU
 Sample : K4304-15
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P6

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_G\METHODS\SOM-EPA-BG080319MA.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	3.143	4	9	33	rVB	1980261	3164188	100.00%	9.427%
2	3.407	49	54	65	rVB	9890	19987	0.63%	0.060%
3	4.071	163	167	173	rVB	12845	21378	0.68%	0.064%
4	4.171	178	184	196	rVB	57185	93605	2.96%	0.279%
5	7.179	688	696	713	rVV	194487	388685	12.28%	1.158%
6	7.344	717	724	739	rVV	146540	266664	8.43%	0.794%
7	7.555	751	760	771	rBV	218750	399357	12.62%	1.190%
8	8.025	833	840	848	rBV	263649	461094	14.57%	1.374%
9	8.736	953	961	971	rBV	246882	462670	14.62%	1.378%
10	9.189	1031	1038	1047	rBV	191101	359076	11.35%	1.070%
11	9.359	1061	1067	1073	rVB3	14567	22712	0.72%	0.068%
12	9.923	1155	1163	1176	rBV	170383	320159	10.12%	0.954%
13	10.470	1248	1256	1274	rBV	275236	554832	17.53%	1.653%
14	10.852	1312	1321	1327	rBV	374506	694381	21.94%	2.069%
15	10.899	1327	1329	1334	rVV2	24127	32438	1.03%	0.097%
16	10.981	1335	1343	1359	rVB	225799	469325	14.83%	1.398%
17	12.514	1598	1604	1613	rVV2	14083	25504	0.81%	0.076%
18	12.732	1635	1641	1649	rBV	11955	21402	0.68%	0.064%
19	14.007	1852	1858	1863	rBV2	14567	24961	0.79%	0.074%
20	14.083	1863	1871	1876	rVV	546694	826732	26.13%	2.463%
21	14.130	1876	1879	1885	rVV	110097	160034	5.06%	0.477%
22	14.377	1911	1921	1932	rBV	655121	1073219	33.92%	3.197%
23	14.682	1965	1973	1980	rBV	630981	1016039	32.11%	3.027%
24	14.747	1980	1984	1992	rVB	33134	55394	1.75%	0.165%
25	14.882	2000	2007	2022	rBV	126590	284197	8.98%	0.847%
26	15.088	2036	2042	2050	rVB	36960	63281	2.00%	0.189%
27	15.481	2103	2109	2115	rBV6	10020	23513	0.74%	0.070%
28	15.681	2133	2143	2148	rBV	838528	1307310	41.32%	3.895%
29	15.734	2148	2152	2158	rVB2	48165	74955	2.37%	0.223%
30	15.799	2158	2163	2171	rBV	142455	237244	7.50%	0.707%
31	15.916	2177	2183	2187	rBV3	11238	22185	0.70%	0.066%
32	16.028	2197	2202	2209	rVB	20982	38494	1.22%	0.115%
33	16.175	2219	2227	2235	rBV2	20860	49103	1.55%	0.146%
34	16.245	2235	2239	2247	rVB4	11890	24475	0.77%	0.073%

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35	16.374	2256	2261	2263	rBV3	16026	28302	0.89%	0.084%
36	16.398	2263	2265	2273	rVB7	19193	38282	1.21%	0.114%
37	16.745	2316	2324	2329	rVV7	16808	40675	1.29%	0.121%
38	16.974	2355	2363	2367	rBV4	19332	36372	1.15%	0.108%
39	17.015	2367	2370	2373	rVV2	14254	20388	0.64%	0.061%
40	17.091	2377	2383	2390	rVV	31954	57199	1.81%	0.170%
41	17.168	2392	2396	2397	rVV2	15804	19277	0.61%	0.057%
42	17.191	2397	2400	2405	rVV3	20569	32255	1.02%	0.096%
43	17.256	2407	2411	2417	rVB	33517	51057	1.61%	0.152%
44	17.438	2435	2442	2446	rBV	781769	1216885	38.46%	3.625%
45	17.479	2446	2449	2454	rVB	546424	745539	23.56%	2.221%
46	17.538	2454	2459	2464	rBV	815587	1265671	40.00%	3.771%
47	17.843	2505	2511	2516	rBV	24975	46815	1.48%	0.139%
48	18.025	2537	2542	2546	rBV3	14236	24461	0.77%	0.073%
49	18.319	2586	2592	2596	rBV	78654	119894	3.79%	0.357%
50	18.366	2596	2600	2604	rBV	105704	139104	4.40%	0.414%
51	18.443	2609	2613	2619	rBV2	23220	33669	1.06%	0.100%
52	18.513	2619	2625	2629	rBV2	108201	213889	6.76%	0.637%
53	18.548	2629	2631	2638	rVB	63851	77648	2.45%	0.231%
54	18.625	2639	2644	2647	rBV4	16190	24107	0.76%	0.072%
55	18.666	2647	2651	2657	rBV4	12055	18513	0.59%	0.055%
56	18.813	2670	2676	2680	rBV	56407	84059	2.66%	0.250%
57	18.854	2680	2683	2689	rVB	47425	69758	2.20%	0.208%
58	19.060	2709	2718	2722	rVV4	67394	115226	3.64%	0.343%
59	19.112	2723	2727	2729	rVV	25810	33584	1.06%	0.100%
60	19.148	2730	2733	2737	rVB3	16933	20698	0.65%	0.062%
61	19.230	2742	2747	2753	rBV	46916	92444	2.92%	0.275%
62	19.318	2760	2762	2766	rVB	35210	43553	1.38%	0.130%
63	19.371	2766	2771	2779	rBV	48424	94193	2.98%	0.281%
64	19.494	2783	2792	2797	rVV	955817	1420646	44.90%	4.232%
65	19.547	2797	2801	2806	rVV2	47523	63144	2.00%	0.188%
66	19.588	2806	2808	2813	rVB5	16361	18644	0.59%	0.056%
67	19.682	2820	2824	2827	rBV5	10532	18261	0.58%	0.054%
68	19.735	2830	2833	2837	rVB	33413	42998	1.36%	0.128%
69	19.829	2842	2849	2851	rBV2	1238077	1962789	62.03%	5.848%
70	19.853	2851	2853	2861	rVV	797930	1001920	31.66%	2.985%
71	19.923	2861	2865	2872	rVB2	52158	94156	2.98%	0.281%

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72	20.029	2877	2883	2890	rBV2	50370	105927	3.35%	0.316%
73	20.182	2902	2909	2915	rBV3	67233	186508	5.89%	0.556%
74	20.264	2919	2923	2927	rVV	76348	103582	3.27%	0.309%
75	20.346	2927	2937	2942	rVV	129707	302217	9.55%	0.900%
76	20.446	2950	2954	2957	rBV	59367	80979	2.56%	0.241%
77	20.505	2958	2964	2967	rVV2	76369	132727	4.19%	0.395%
78	20.540	2968	2970	2973	rVB3	31787	31183	0.99%	0.093%
79	20.587	2974	2978	2980	rBV3	18802	28584	0.90%	0.085%
80	20.646	2984	2988	2991	rBV	40233	53120	1.68%	0.158%
81	20.687	2992	2995	2999	rVB2	40520	50951	1.61%	0.152%
82	20.857	3021	3024	3027	rVB3	21813	21547	0.68%	0.064%
83	21.110	3063	3067	3074	rVB	94151	138708	4.38%	0.413%
84	21.339	3103	3106	3107	rBV	52512	56964	1.80%	0.170%
85	21.375	3108	3112	3119	rVV3	123671	318717	10.07%	0.950%
86	21.445	3121	3124	3132	rVB2	100861	179501	5.67%	0.535%
87	21.721	3162	3171	3176	rBV3	934170	2229282	70.45%	6.642%
88	21.768	3176	3179	3191	rVB	385330	656009	20.73%	1.954%
89	21.921	3201	3205	3212	rVB3	55985	84690	2.68%	0.252%
90	22.538	3306	3310	3317	rVB4	84688	150031	4.74%	0.447%
91	23.249	3428	3431	3439	rVB2	72780	117989	3.73%	0.352%
92	23.601	3488	3491	3499	rVB5	75195	132310	4.18%	0.394%
93	23.954	3543	3551	3559	rBV	289910	983793	31.09%	2.931%
94	24.077	3568	3572	3578	rVB	101360	180719	5.71%	0.538%
95	24.688	3669	3676	3681	rBV	149387	383250	12.11%	1.142%
96	24.771	3681	3690	3697	rVV	600052	1719930	54.36%	5.124%
97	24.835	3697	3701	3711	rVB	206705	507677	16.04%	1.512%
98	24.994	3718	3728	3750	rBV	490232	1766788	55.84%	5.264%
99	26.204	3927	3934	3945	rVB3	118974	350795	11.09%	1.045%
100	28.701	4357	4359	4360	rBV2	29771	26343	0.83%	0.078%

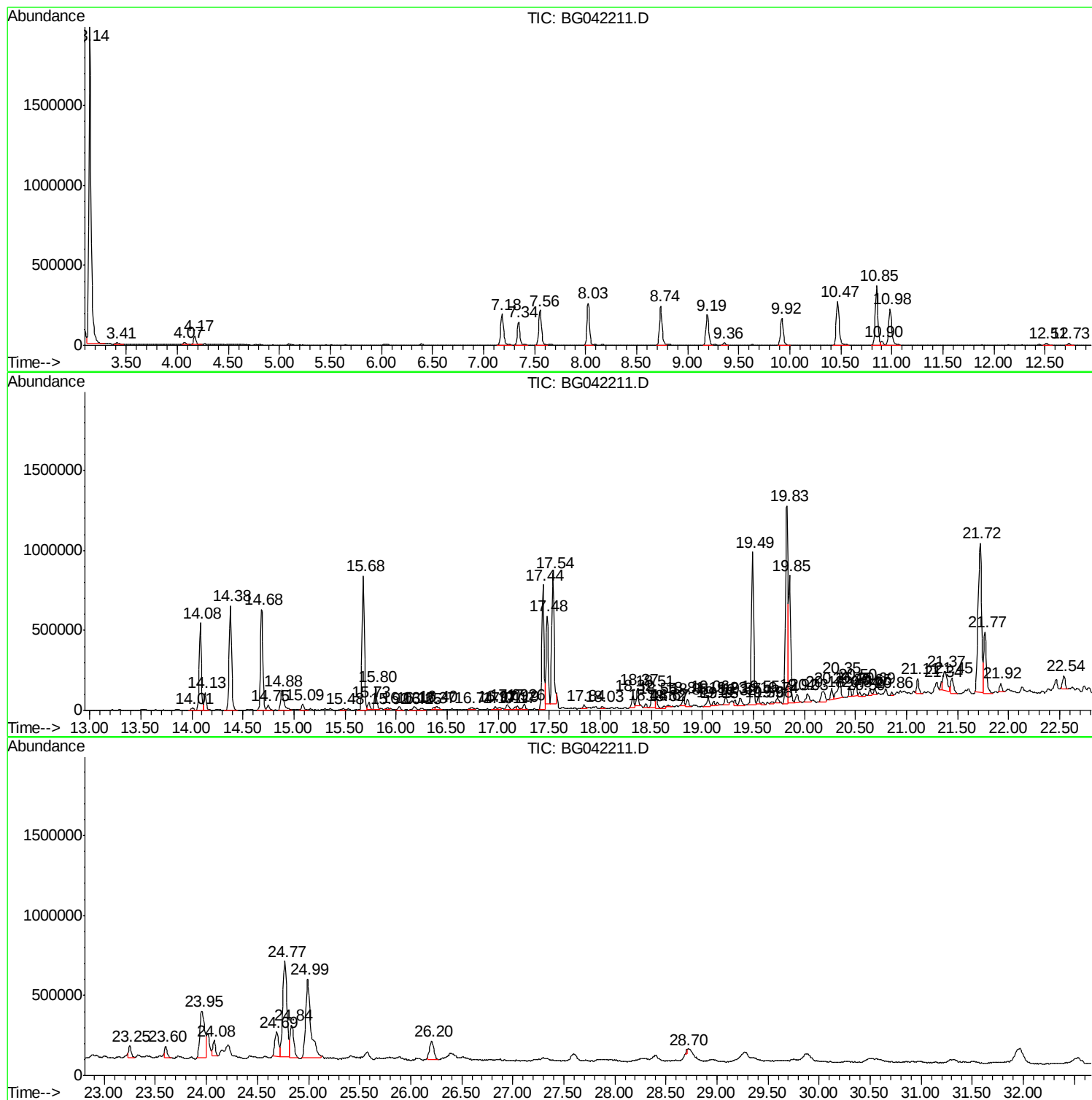
Sum of corrected areas: 33565489

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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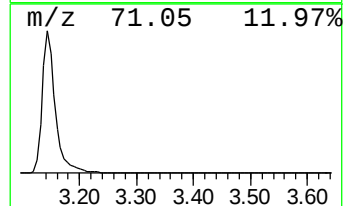
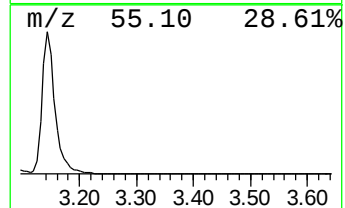
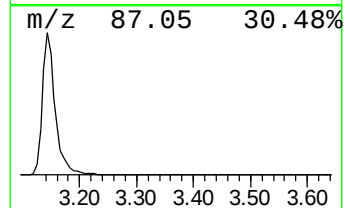
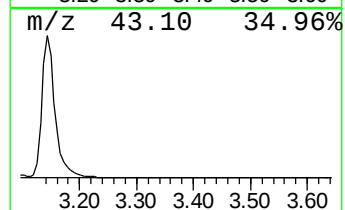
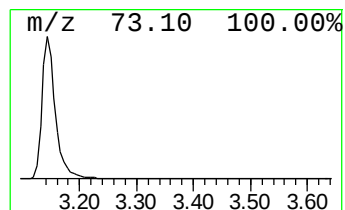
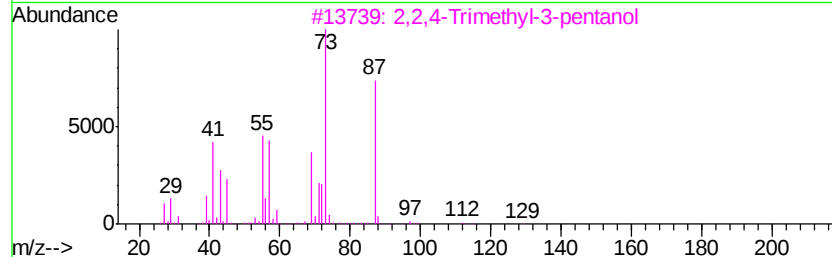
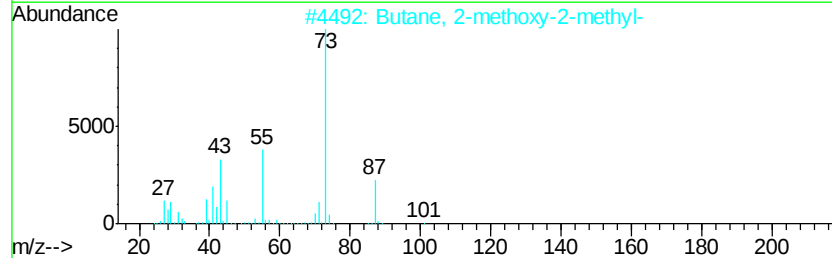
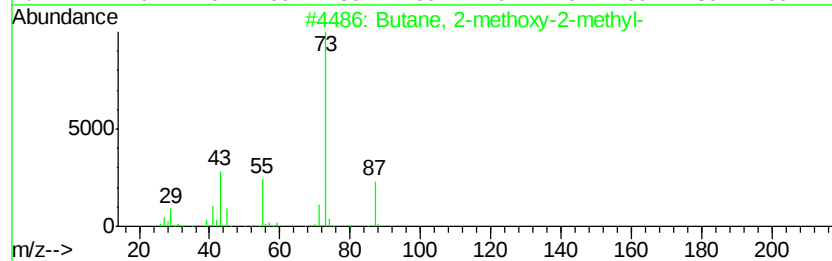
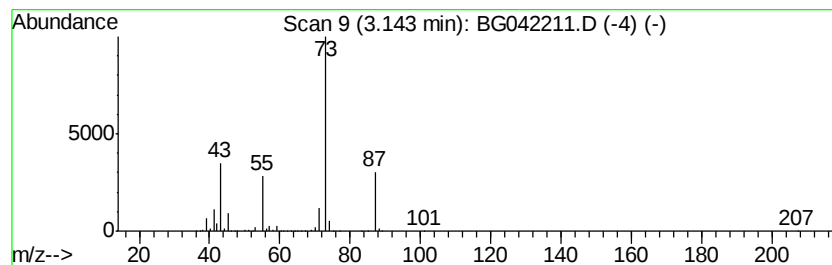
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.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.
3.14	137.25 ng/ul	3164190	1,4-Dichlorobenzene-d4	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



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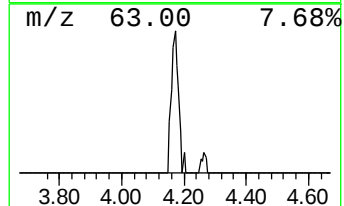
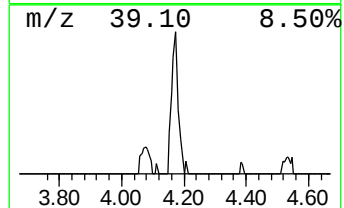
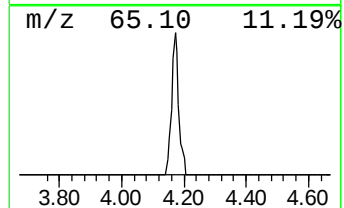
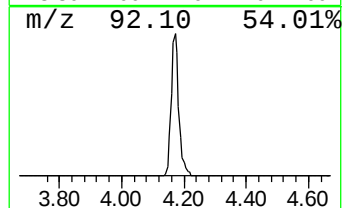
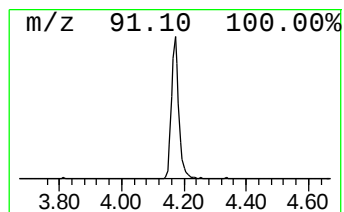
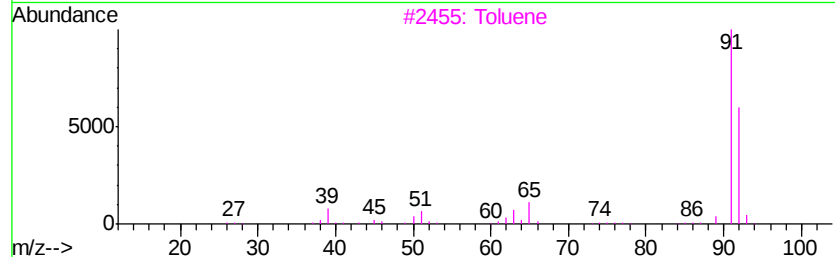
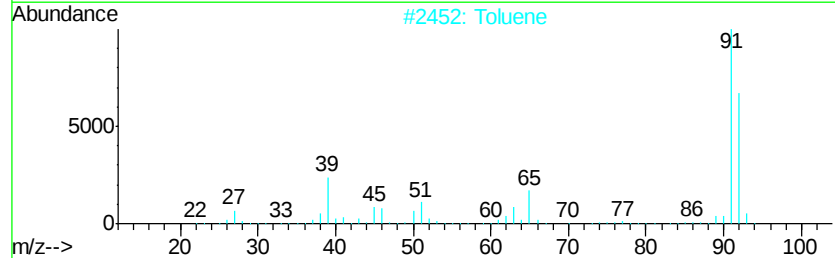
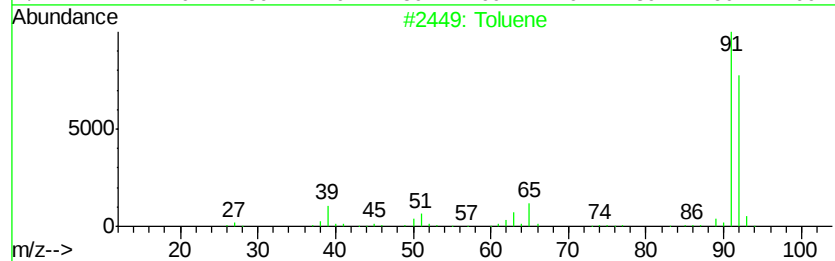
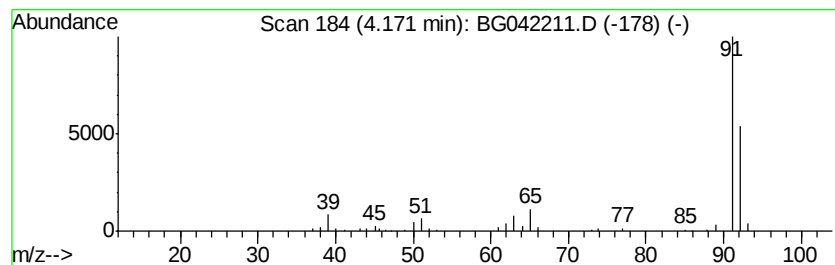
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Toluene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.06 ng/ul	93605	1,4-Dichlorobenzene-d4	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Toluene	92	C7H8	000108-88-3	91
2		Toluene	92	C7H8	000108-88-3	91
3		Toluene	92	C7H8	000108-88-3	91
4		Toluene	92	C7H8	000108-88-3	90
5		Toluene	92	C7H8	000108-88-3	87



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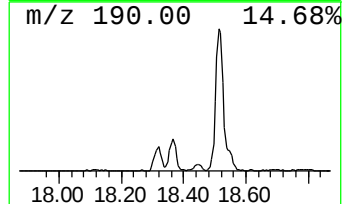
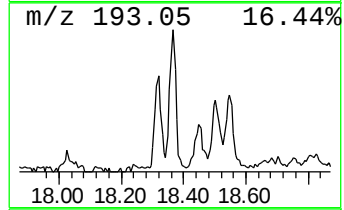
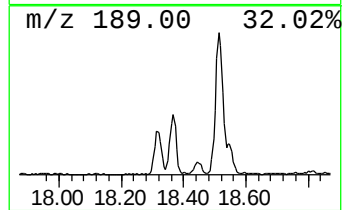
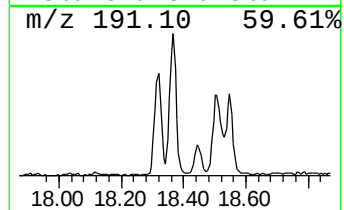
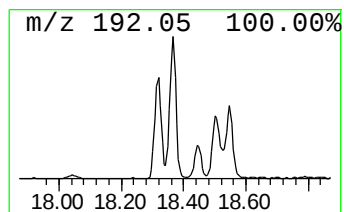
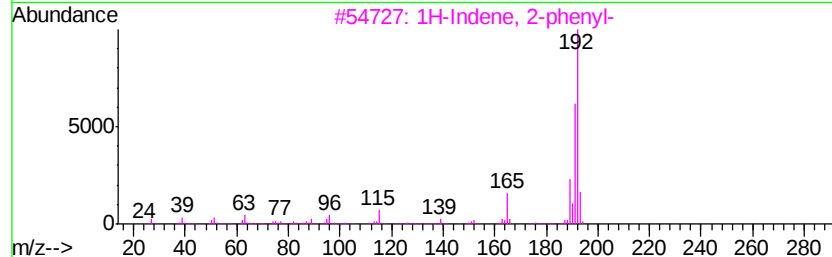
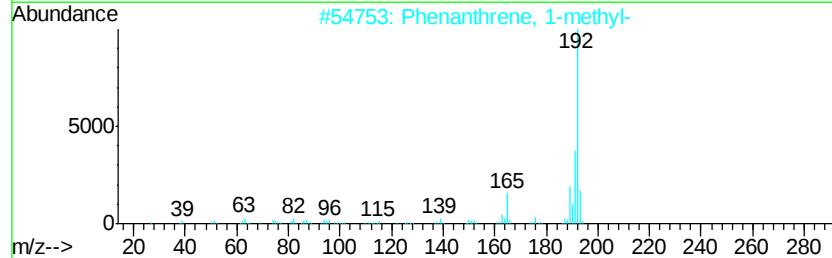
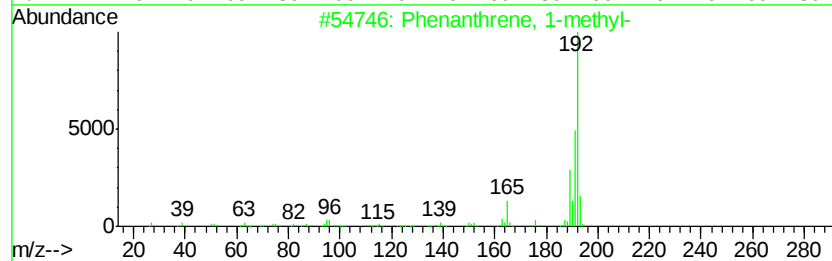
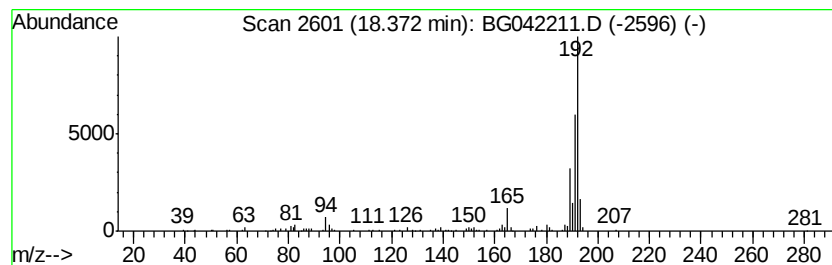
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.29 ng/ul	139104	Phenanthrene-d10	17.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
Operator : HP/JU
Sample : K4304-15
Misc :
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Instrument :
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ClientSampleId :
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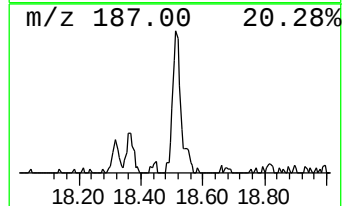
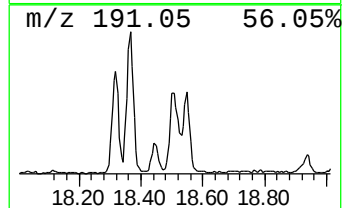
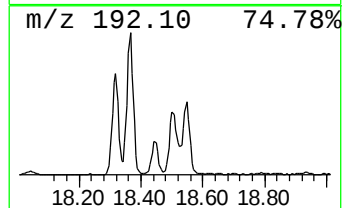
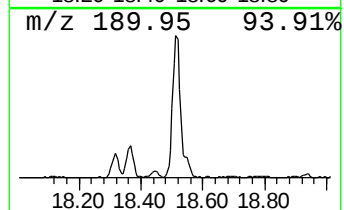
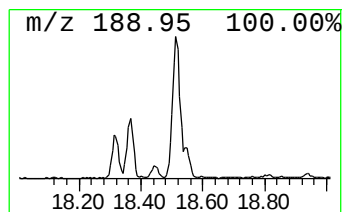
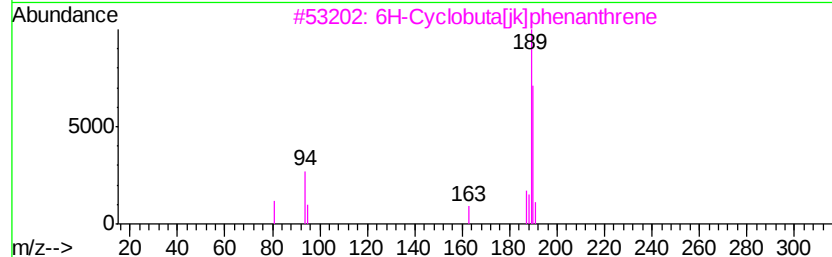
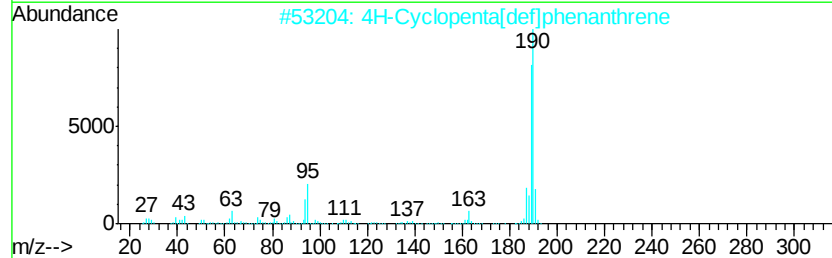
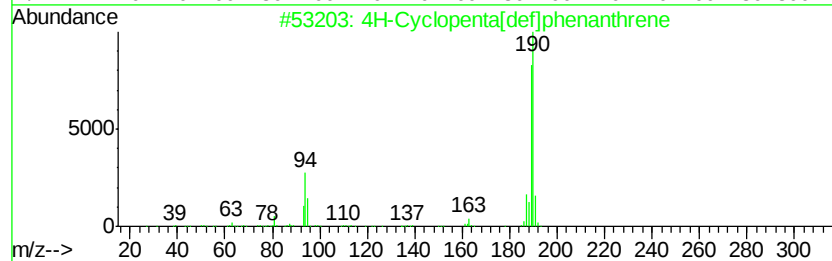
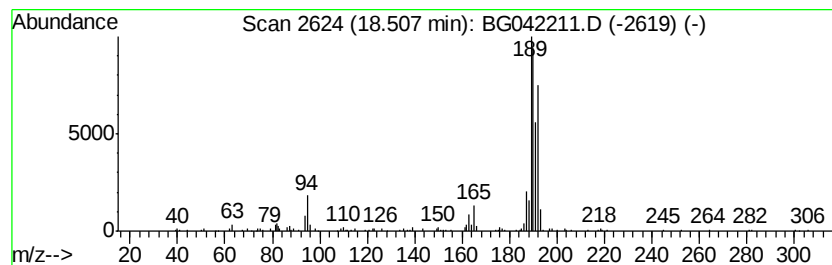
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.52 ng/ul	213889	Phenanthrene-d10	17.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	59
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
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Sample : K4304-15
Misc :
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Instrument :
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ClientSampleId :
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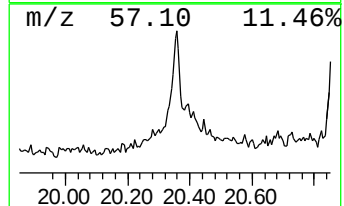
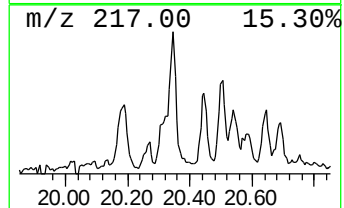
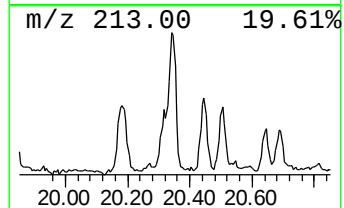
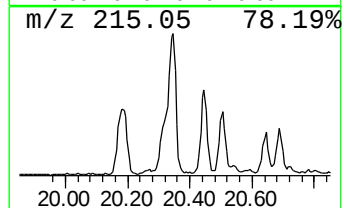
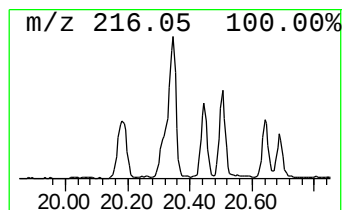
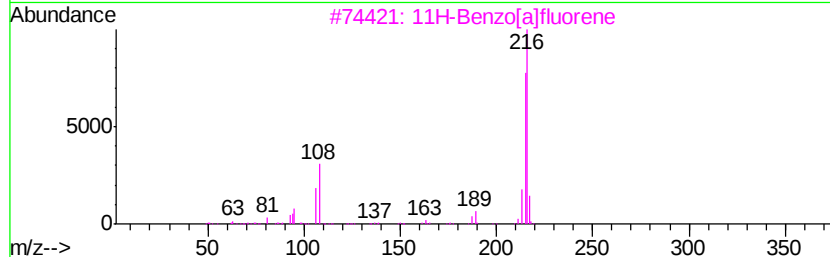
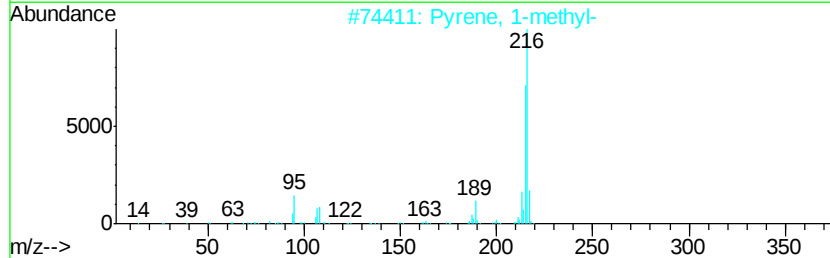
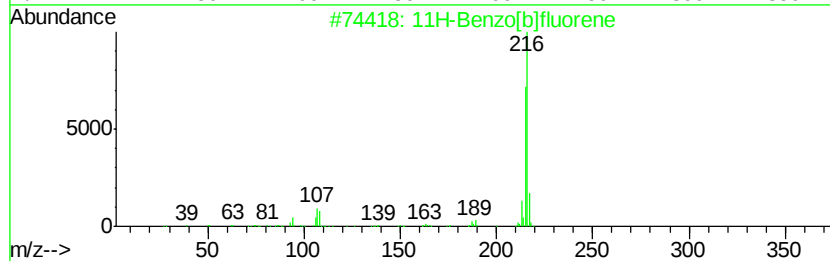
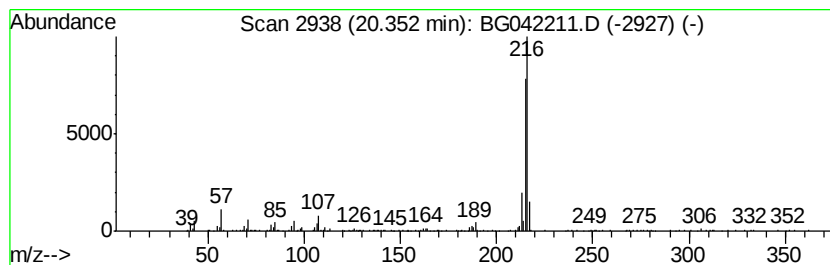
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	2.71 ng/ul	302217	Chrysene-d12	21.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
Operator : HP/JU
Sample : K4304-15
Misc :
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Instrument :
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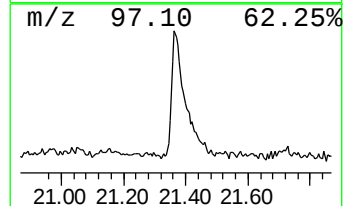
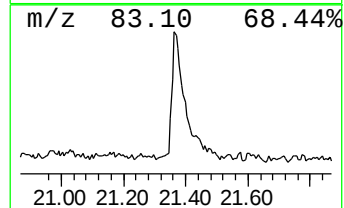
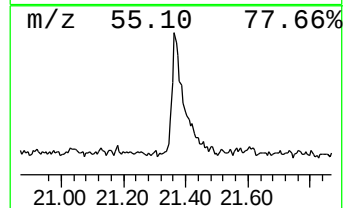
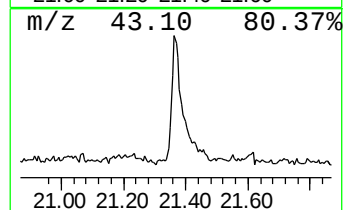
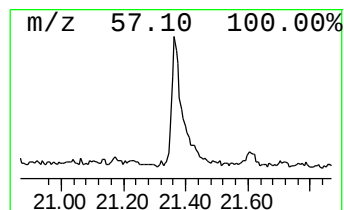
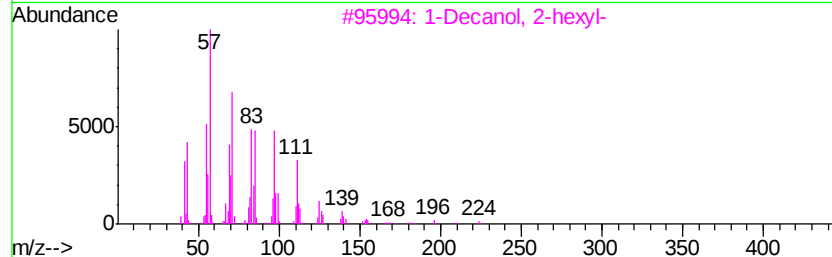
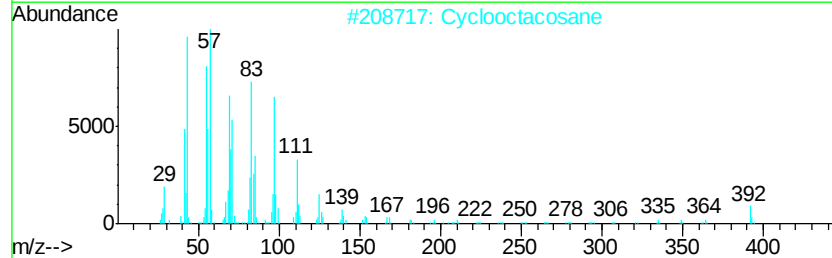
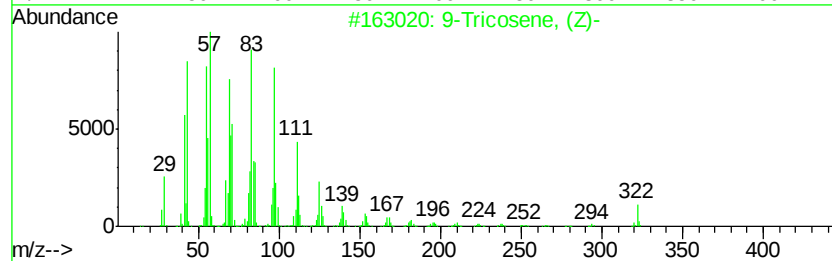
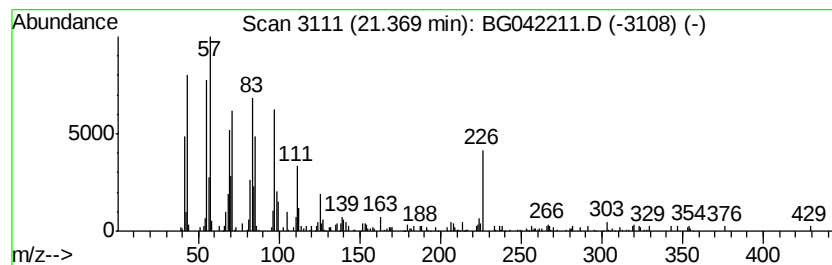
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.86 ng/ul	318717	Chrysene-d12	21.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	81
2		Cyclooctacosane	392	C28H56	000297-24-5	58
3		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	50
4		Octacosanol	410	C28H58O	000557-61-9	46
5		n-Tetracosanol-1	354	C24H50O	000506-51-4	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
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Sample : K4304-15
Misc :
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Instrument :
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ClientSampleId :
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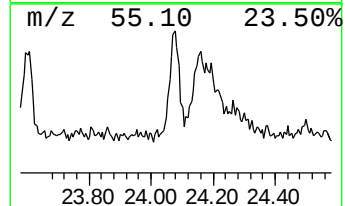
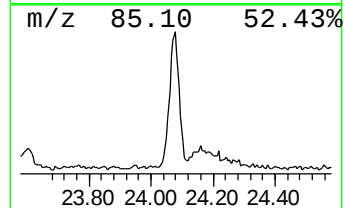
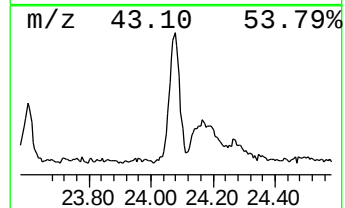
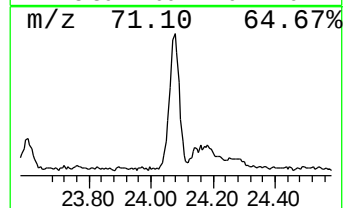
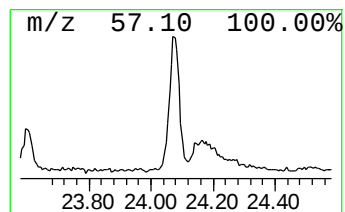
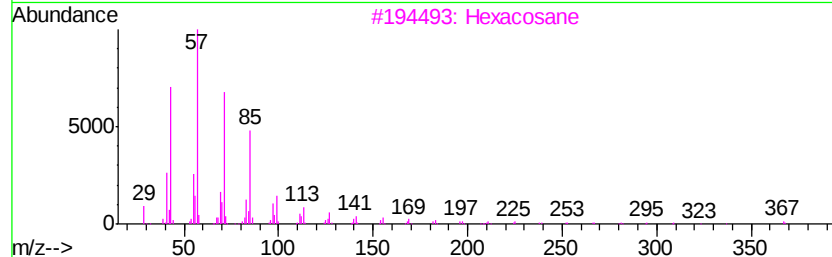
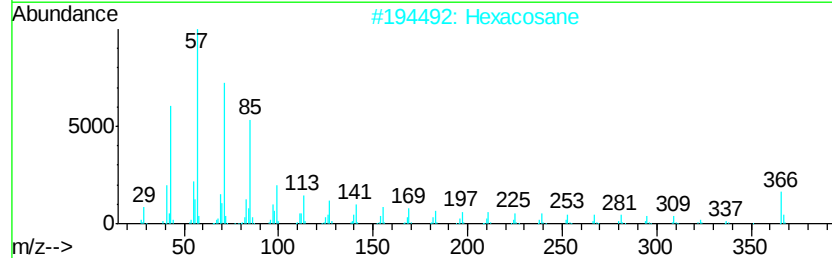
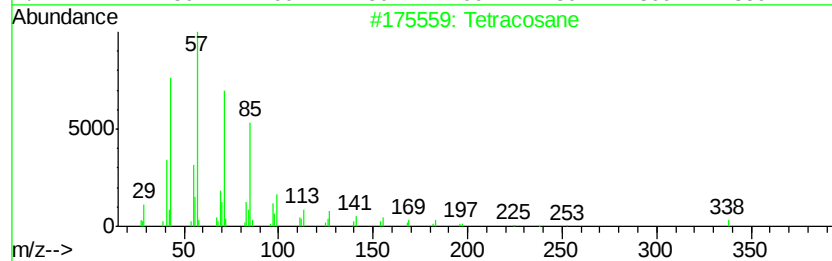
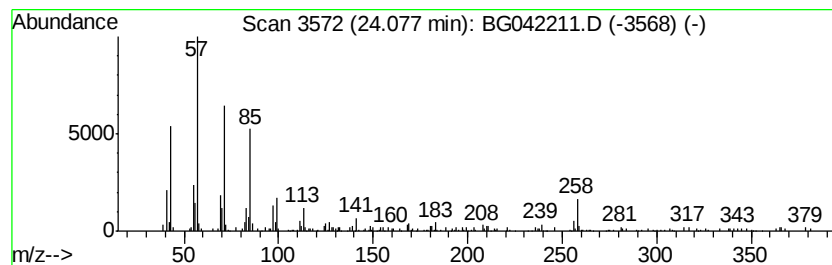
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	2.05 ng/ul	180719	Perylene-d12	24.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	91
2		Hexacosane	366	C26H54	000630-01-3	87
3		Hexacosane	366	C26H54	000630-01-3	87
4		Tricosane, 2-methyl-	338	C24H50	001928-30-9	87
5		10-Methylnonadecane	282	C20H42	056862-62-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
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Sample : K4304-15
Misc :
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Instrument :
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ClientSampleId :
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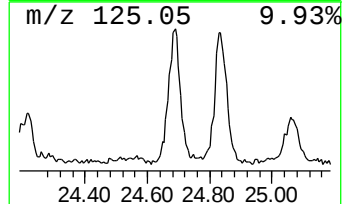
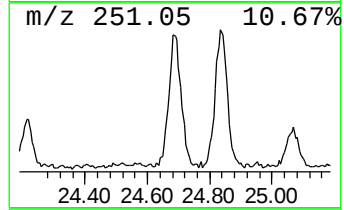
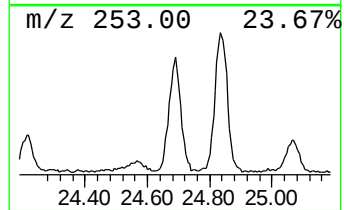
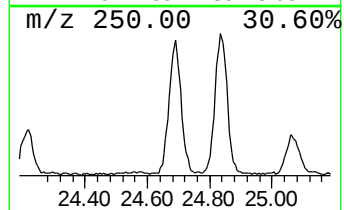
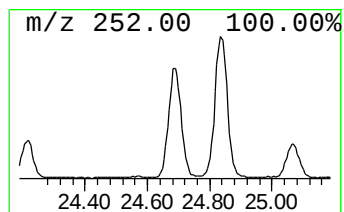
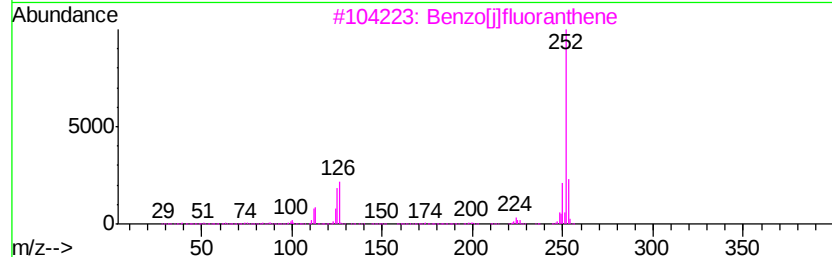
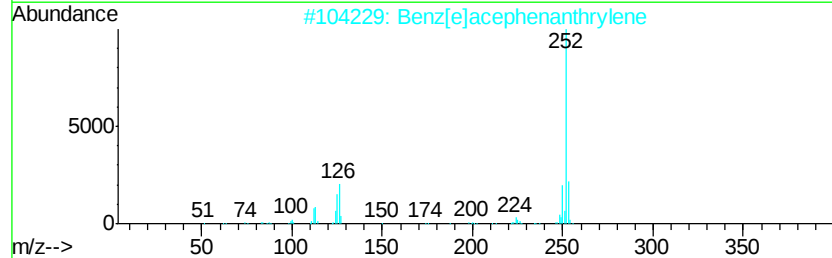
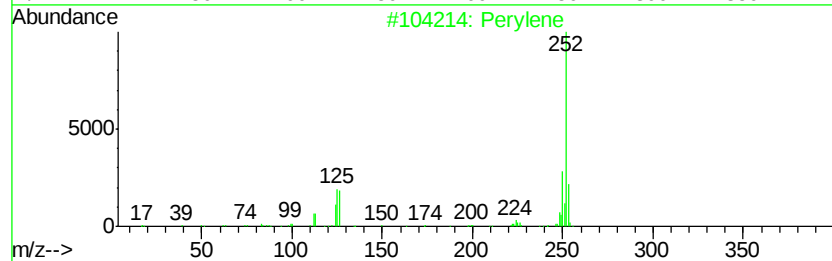
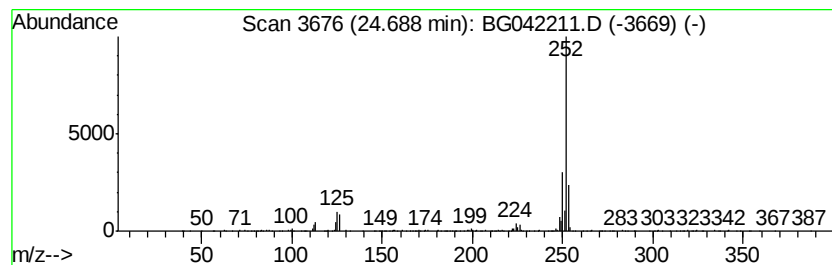
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	4.34 ng/ul	383250	Perylene-d12	24.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene		252	C20H12	000198-55-0	95
2	Benz[e]acephenanthrylene		252	C20H12	000205-99-2	94
3	Benzo[i]fluoranthene		252	C20H12	000205-82-3	94
4	Benzo[e]pyrene		252	C20H12	000192-97-2	93
5	Benzo[a]pyrene		252	C20H12	000050-32-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
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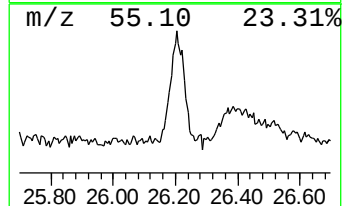
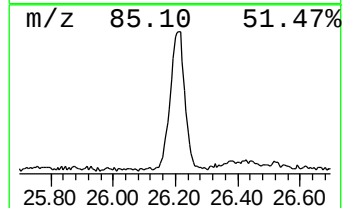
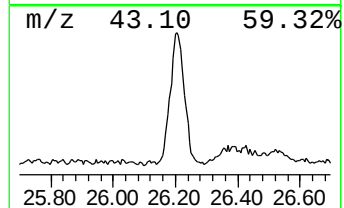
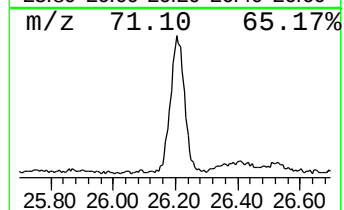
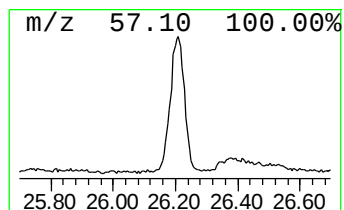
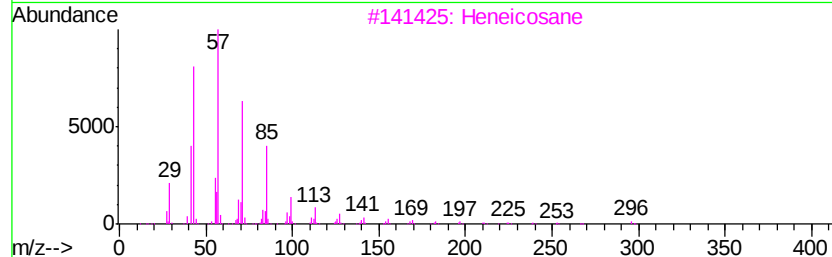
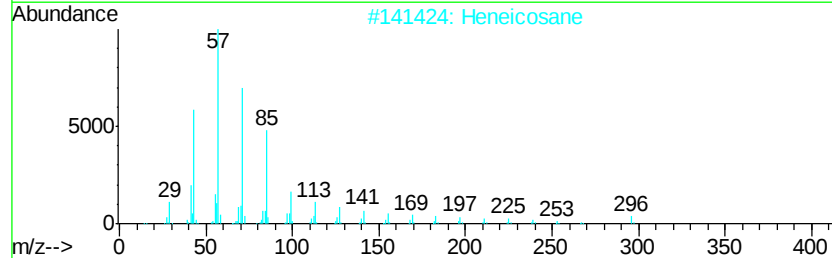
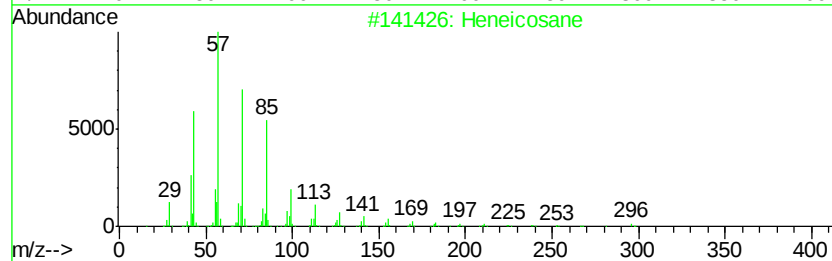
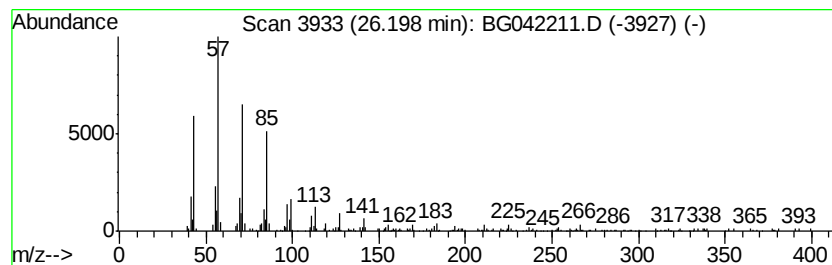
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.20	3.97 ng/ul	350795	Perylene-d12	24.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	99
2		Heneicosane	296	C21H44	000629-94-7	97
3		Heneicosane	296	C21H44	000629-94-7	95
4		Eicosane, 2-methyl-	296	C21H44	001560-84-5	93
5		Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081319\
Data File : BG042211.D
Acq On : 14 Aug 2019 15:48
Operator : HP/JU
Sample : K4304-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Toluene	4.17	4.1	ng/ul	93605	1	8.03	461094	20.0
Phenanthrene, 1-m...	18.37	2.3	ng/ul	139104	4	17.44	1216890	20.0
4H-Cyclopenta[def...	18.51	3.5	ng/ul	213889	4	17.44	1216890	20.0
11H-Benzo[b]fluorene	20.35	2.7	ng/ul	302217	5	21.72	2229280	20.0
(DEL) Alkane: Str...	21.37	2.9	ng/ul	318717	5	21.72	2229280	20.0
(DEL) Alkane: Str...	24.08	2.0	ng/ul	180719	6	24.99	1766790	20.0
Perylene	24.69	4.3	ng/ul	383250	6	24.99	1766790	20.0
(DEL) Alkane: Str...	26.20	4.0	ng/ul	350795	6	24.99	1766790	20.0