

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020801.D
 Acq On : 07 Jun 2019 13:16
 Operator : HP/JU
 Sample : K3201-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

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	28	rVB	2681548	3210977	28.41%	2.179%
2	6.975	667	678	687	rBV	288352	493603	4.37%	0.335%
3	7.151	701	708	720	rVB	268030	449002	3.97%	0.305%
4	7.340	734	740	750	rVB	345623	556246	4.92%	0.377%
5	7.810	810	820	827	rBV	1150552	1816245	16.07%	1.232%
6	8.510	933	939	946	rBV	227227	360349	3.19%	0.244%
7	8.969	1010	1017	1025	rBV	342355	592472	5.24%	0.402%
8	9.686	1132	1139	1150	rBV	276585	474970	4.20%	0.322%
9	10.222	1223	1230	1241	rVB	430763	730870	6.47%	0.496%
10	10.604	1284	1295	1300	rBV	1534754	2602125	23.02%	1.765%
11	10.651	1300	1303	1310	rVB	123347	193229	1.71%	0.131%
12	10.745	1311	1319	1327	rBV	256005	461190	4.08%	0.313%
13	12.263	1569	1577	1584	rVB	131748	206453	1.83%	0.140%
14	12.486	1609	1615	1621	rVB	123728	199980	1.77%	0.136%
15	13.769	1827	1833	1838	rVV	156170	281977	2.49%	0.191%
16	13.857	1844	1848	1853	rVV	837729	1205180	10.66%	0.818%
17	13.904	1853	1856	1864	rVV	403408	568250	5.03%	0.386%
18	14.139	1890	1896	1907	rVB	966591	1645215	14.56%	1.116%
19	14.451	1939	1949	1955	rVV2	2299264	3593642	31.79%	2.438%
20	14.510	1955	1959	1967	rVV	763507	1191085	10.54%	0.808%
21	14.645	1976	1982	1992	rBV2	258300	472073	4.18%	0.320%
22	14.757	1992	2001	2006	rVV2	101726	196867	1.74%	0.134%
23	14.845	2011	2016	2024	rVV	476970	766416	6.78%	0.520%
24	15.439	2111	2117	2122	rVV	1161638	1805643	15.98%	1.225%
25	15.498	2122	2127	2134	rVV	723660	1149463	10.17%	0.780%
26	15.563	2134	2138	2141	rVV3	134791	228097	2.02%	0.155%
27	15.621	2145	2148	2151	rVV	161284	232425	2.06%	0.158%
28	15.663	2151	2155	2159	rVV	166233	285968	2.53%	0.194%
29	15.792	2172	2177	2184	rVB	290614	464405	4.11%	0.315%
30	15.939	2197	2202	2209	rVV	304311	617498	5.46%	0.419%
31	16.027	2209	2217	2225	rVB3	91005	221623	1.96%	0.150%
32	16.174	2232	2242	2247	rVB7	117984	253400	2.24%	0.172%
33	16.474	2286	2293	2295	rBV2	174899	327487	2.90%	0.222%
34	16.498	2295	2297	2302	rVB2	168911	232391	2.06%	0.158%

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35	16.727	2328	2336	2339	rBV3	199888	400530	3.54%	0.272%
36	16.851	2352	2357	2364	rVB	437885	635919	5.63%	0.431%
37	16.921	2364	2369	2372	rBV3	199326	348306	3.08%	0.236%
38	17.015	2380	2385	2393	rVB	461129	740423	6.55%	0.502%
39	17.198	2410	2416	2419	rBV	2779925	4210614	37.25%	2.857%
40	17.239	2419	2423	2428	rVV	7778104	10697586	94.65%	7.258%
41	17.292	2428	2432	2435	rVV2	1403746	2053605	18.17%	1.393%
42	17.327	2435	2438	2443	rVV	1705602	2322054	20.54%	1.575%
43	17.386	2443	2448	2453	rVB2	175655	287288	2.54%	0.195%
44	17.598	2473	2484	2496	rBV2	705546	1533336	13.57%	1.040%
45	17.715	2501	2504	2510	rVV2	156053	261934	2.32%	0.178%
46	17.774	2510	2514	2522	rVB4	150764	272233	2.41%	0.185%
47	18.068	2554	2564	2569	rBV	1025870	2057642	18.20%	1.396%
48	18.115	2569	2572	2579	rVB	1411093	1967728	17.41%	1.335%
49	18.198	2579	2586	2591	rBV	599341	881176	7.80%	0.598%
50	18.268	2591	2598	2601	rBV2	1313790	2490387	22.03%	1.690%
51	18.298	2601	2603	2609	rVB	672613	881133	7.80%	0.598%
52	18.374	2613	2616	2620	rVB3	157037	209532	1.85%	0.142%
53	18.568	2644	2649	2653	rBV	708308	988616	8.75%	0.671%
54	18.615	2653	2657	2662	rVB	532873	721959	6.39%	0.490%
55	18.815	2687	2691	2695	rBV3	251931	347801	3.08%	0.236%
56	18.862	2696	2699	2702	rVV	165413	210692	1.86%	0.143%
57	18.904	2702	2706	2710	rVB2	228725	288665	2.55%	0.196%
58	18.986	2715	2720	2726	rBV	502035	1010959	8.94%	0.686%
59	19.051	2728	2731	2734	rVV3	288028	456995	4.04%	0.310%
60	19.080	2734	2736	2740	rVB	210813	212405	1.88%	0.144%
61	19.127	2740	2744	2752	rVB3	470740	858514	7.60%	0.582%
62	19.256	2760	2766	2771	rVB	8512338	11302836	100.00%	7.669%
63	19.315	2772	2776	2779	rBV	167694	213310	1.89%	0.145%
64	19.356	2779	2783	2788	rBV3	371672	613378	5.43%	0.416%
65	19.451	2794	2799	2802	rBV4	204545	374923	3.32%	0.254%
66	19.498	2804	2807	2810	rVB	209552	259400	2.29%	0.176%
67	19.586	2817	2822	2824	rBV3	2914668	4185793	37.03%	2.840%
68	19.615	2824	2827	2835	rVV	6881705	9851743	87.16%	6.684%
69	19.686	2835	2839	2846	rVB3	534533	837580	7.41%	0.568%
70	19.798	2853	2858	2862	rVB	460911	630788	5.58%	0.428%
71	19.856	2864	2868	2873	rBV	338927	504168	4.46%	0.342%

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72	19.945	2877	2883	2889	rVV3	595521	1495412	13.23%	1.015%
73	20.074	2900	2905	2907	rBV3	398542	722196	6.39%	0.490%
74	20.109	2908	2911	2916	rVB	988529	1385146	12.25%	0.940%
75	20.209	2924	2928	2932	rBV	473495	618993	5.48%	0.420%
76	20.268	2932	2938	2942	rBV2	728509	1339308	11.85%	0.909%
77	20.309	2942	2945	2948	rVB2	228689	242659	2.15%	0.165%
78	20.350	2949	2952	2957	rVB2	186172	224065	1.98%	0.152%
79	20.409	2958	2962	2965	rBV	449305	635106	5.62%	0.431%
80	20.456	2966	2970	2973	rBV	456339	583920	5.17%	0.396%
81	20.662	3002	3005	3007	rBV2	153109	208141	1.84%	0.141%
82	20.856	3034	3038	3045	rVB	810002	1098582	9.72%	0.745%
83	21.021	3060	3066	3070	rBV2	627230	1258730	11.14%	0.854%
84	21.062	3070	3073	3075	rBV	656651	790056	6.99%	0.536%
85	21.156	3085	3089	3096	rVB2	808497	1218247	10.78%	0.827%
86	21.368	3120	3125	3130	rBV3	5061286	10219895	90.42%	6.934%
87	21.415	3130	3133	3143	rVB	3717719	4930082	43.62%	3.345%
88	21.533	3149	3153	3159	rBV3	644939	1042406	9.22%	0.707%
89	21.597	3161	3164	3167	rBV4	238582	354125	3.13%	0.240%
90	21.933	3218	3221	3225	rVB	565173	645557	5.71%	0.438%
91	21.968	3225	3227	3229	rBV	291179	330834	2.93%	0.224%
92	22.133	3253	3255	3259	rBV2	280127	329666	2.92%	0.224%
93	22.974	3391	3398	3404	rBV2	2559229	6955714	61.54%	4.719%
94	23.150	3424	3428	3433	rVB	501896	785014	6.95%	0.533%
95	23.468	3477	3482	3486	rBV	1291711	2280054	20.17%	1.547%
96	23.521	3487	3491	3492	rVV2	908627	1246011	11.02%	0.845%
97	23.562	3495	3498	3507	rVB	2210722	4084889	36.14%	2.771%
98	23.668	3509	3516	3521	rBV	2098442	4246761	37.57%	2.881%
99	24.209	3604	3608	3617	rVB2	559655	1036498	9.17%	0.703%
100	25.980	3902	3909	3922	rVB	963111	2872889	25.42%	1.949%

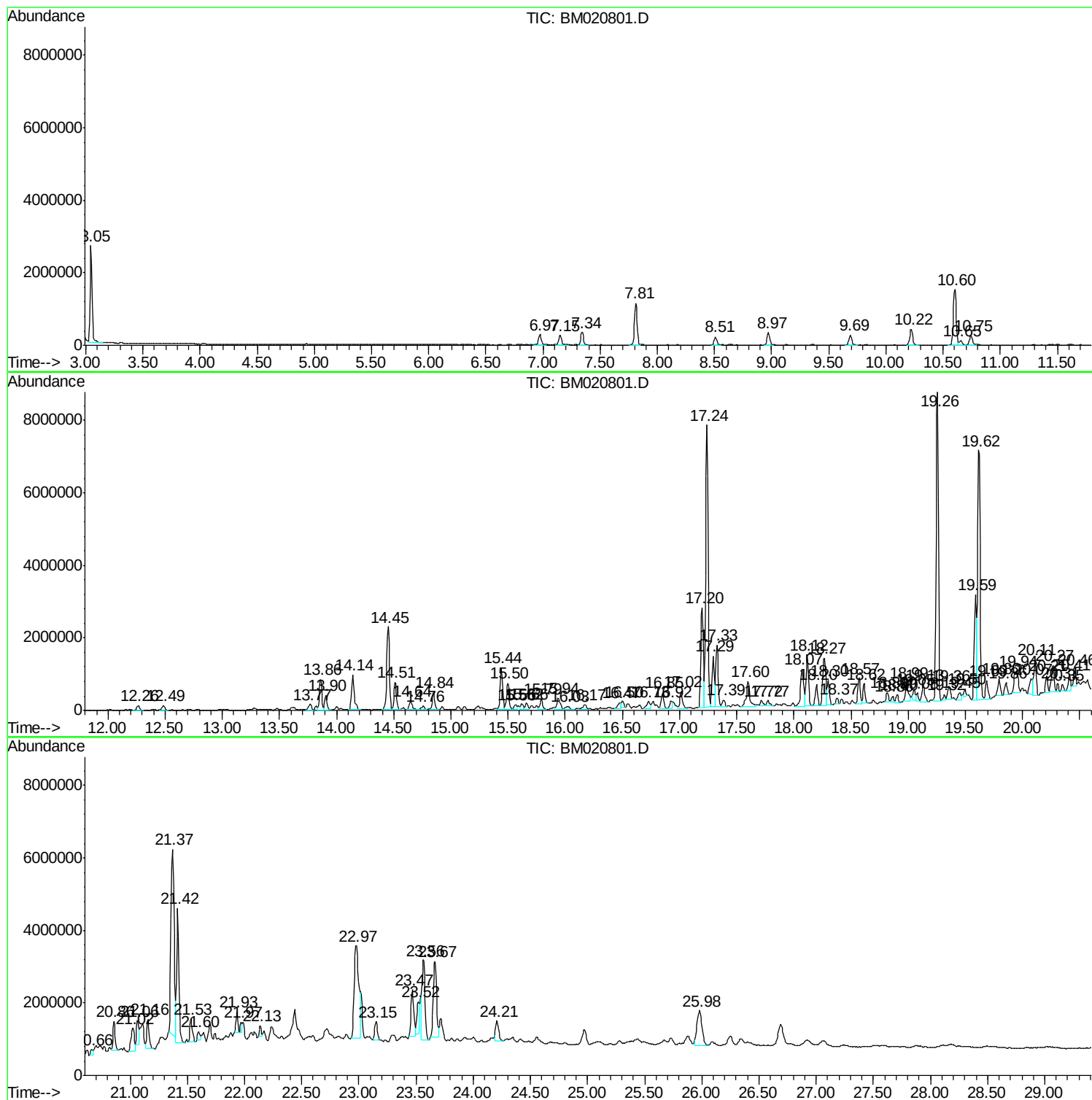
Sum of corrected areas: 147389723

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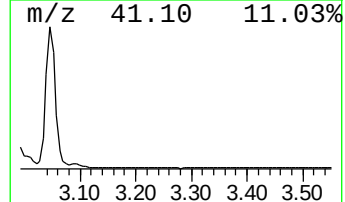
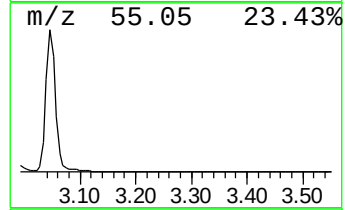
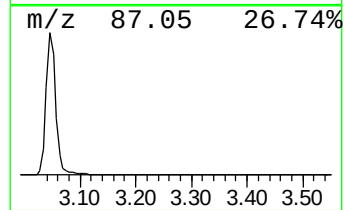
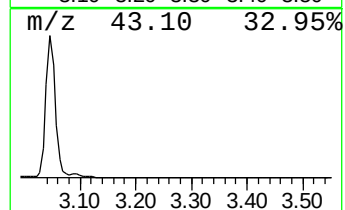
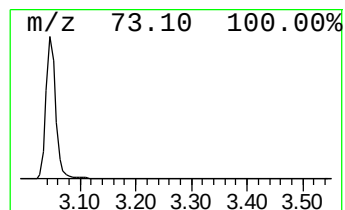
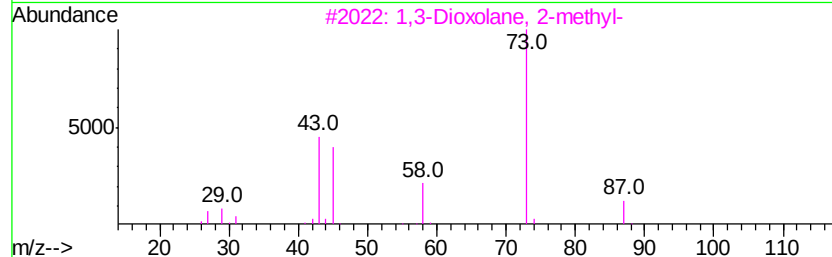
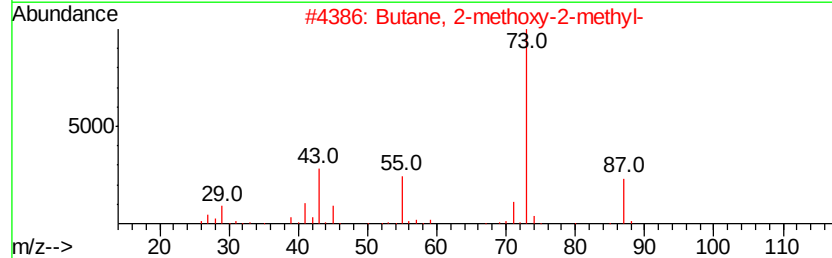
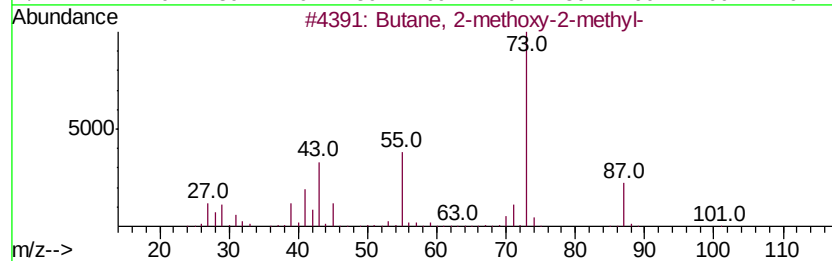
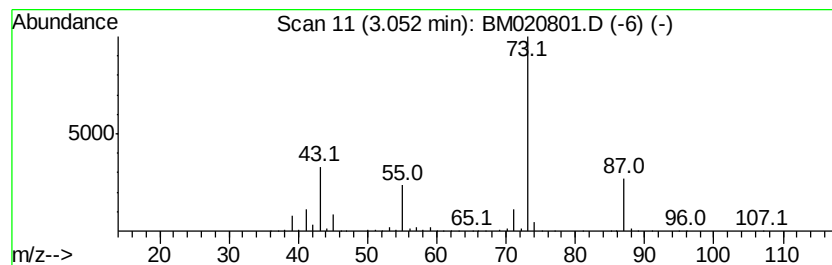
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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	35.36 ng/ul	3210980	1,4-Dichlorobenzene-d4	7.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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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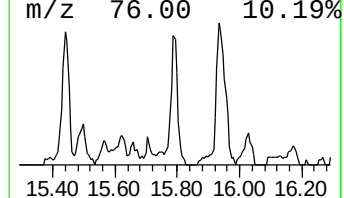
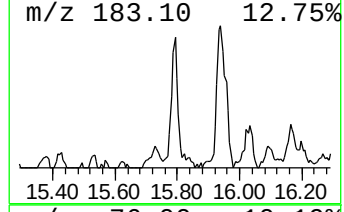
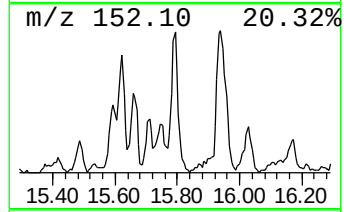
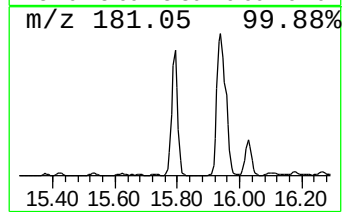
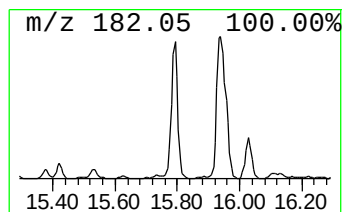
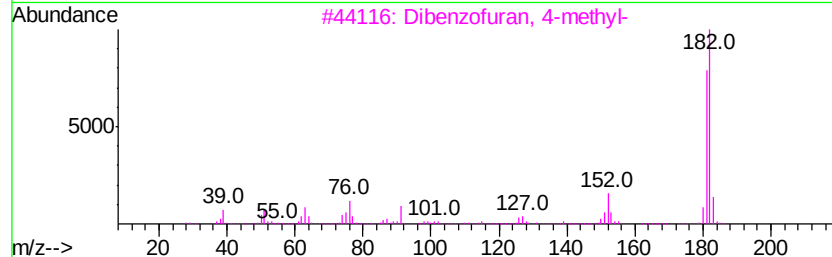
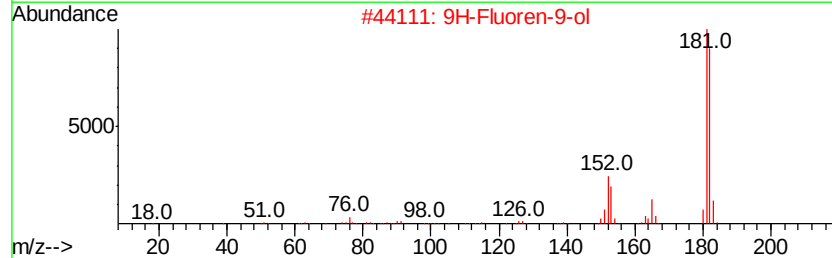
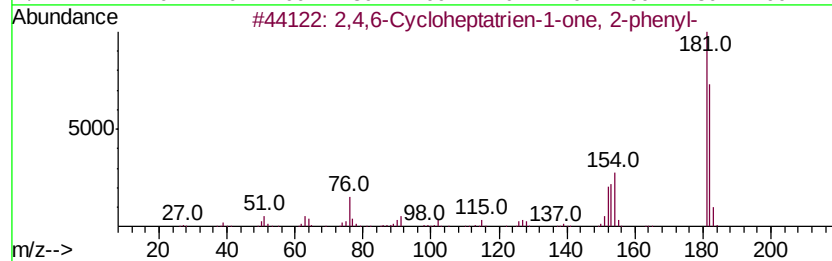
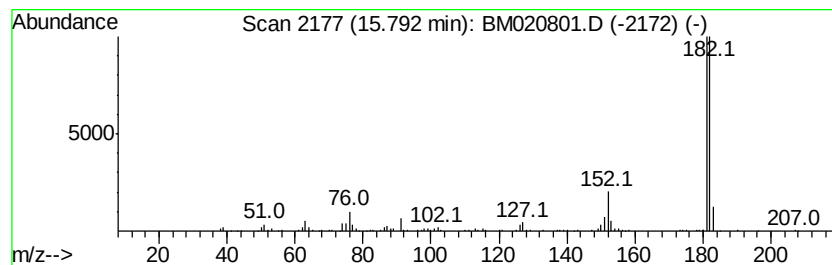
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TIC Integration Parameters: LSCINT.P

Peak Number 2 2,4,6-Cycloheptatrien-1-one... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.58 ng/ul	464405	Acenaphthene-d10	14.45
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182 C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8	81
4	9H-Fluoren-9-ol	182 C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8	64



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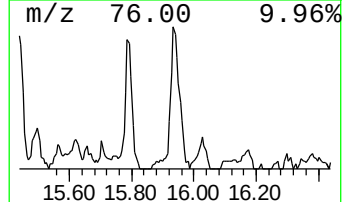
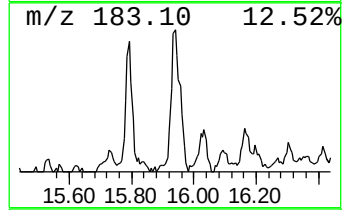
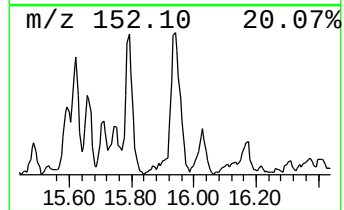
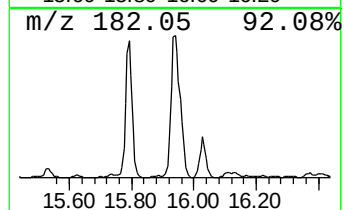
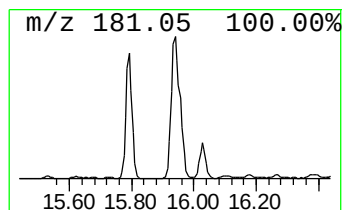
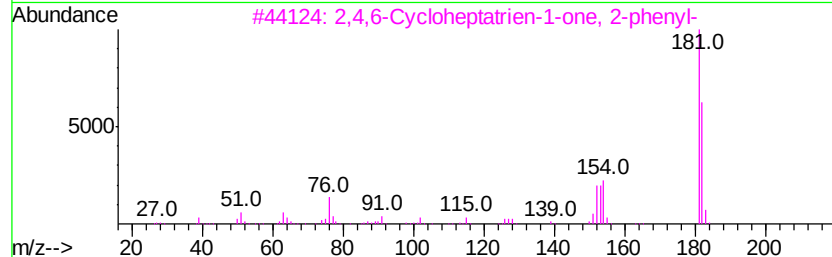
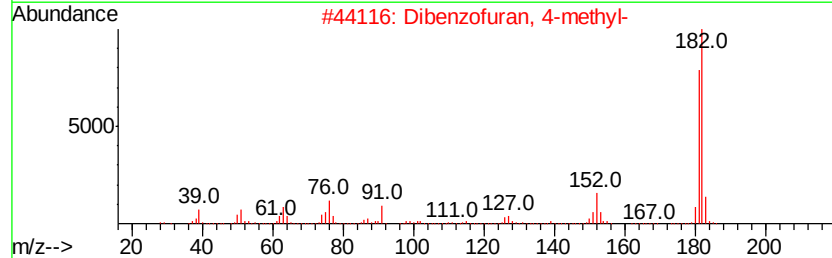
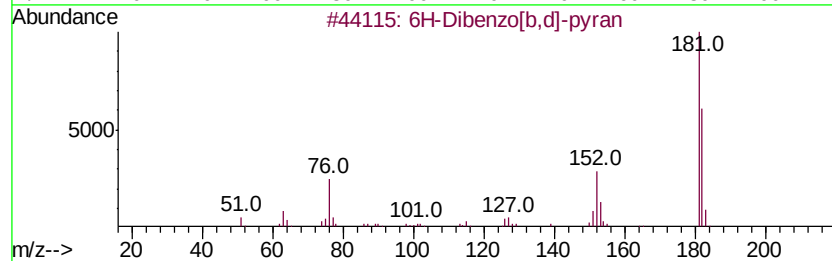
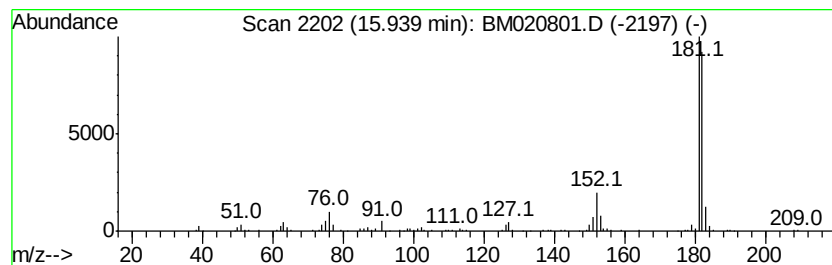
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 6H-Dibenzo[b,d]-pyran Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.94	2.93 ng/ul	617498	Phenanthrene-d10	17.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78



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Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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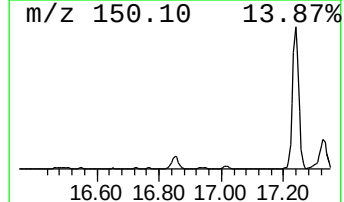
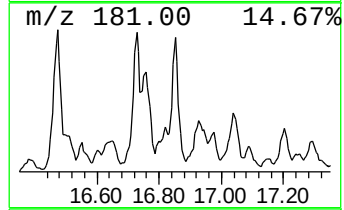
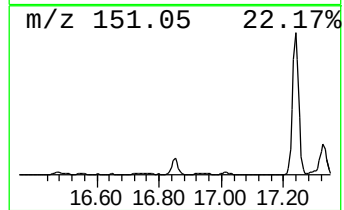
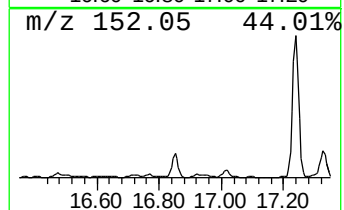
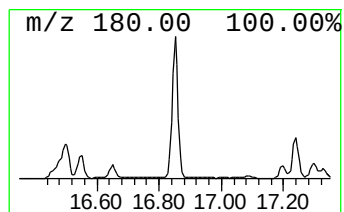
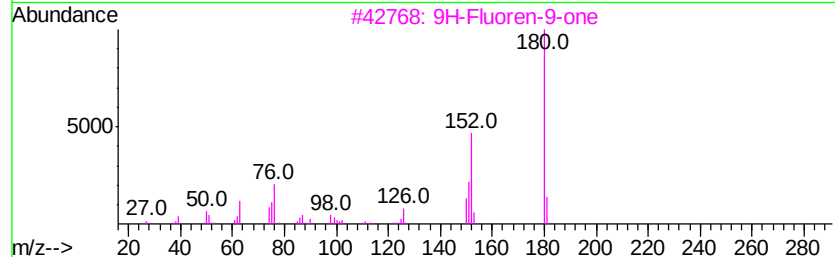
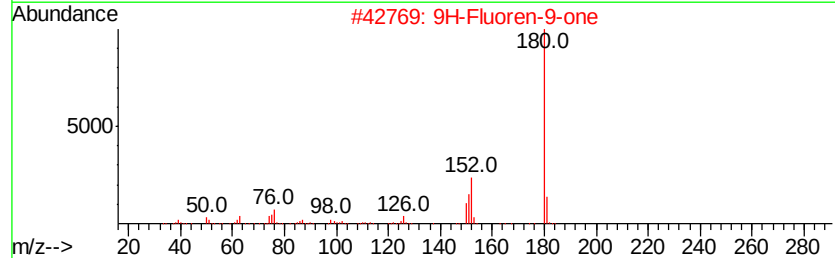
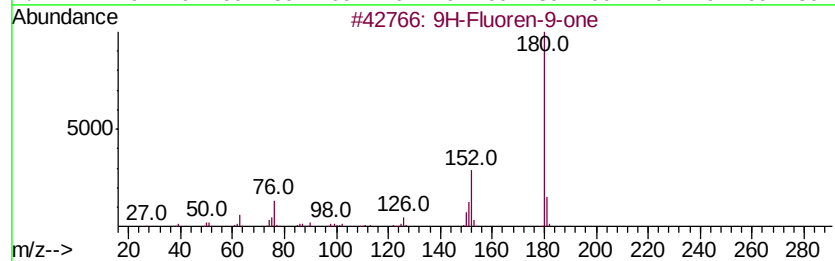
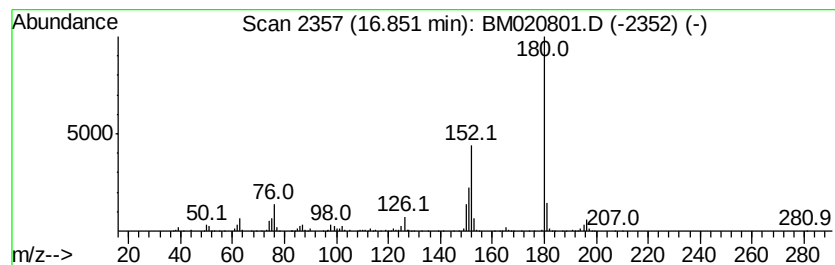
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.02 ng/ul	635919	Phenanthrene-d10	17.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one		180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one		180	C13H8O	000486-25-9	95
4	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	90
5	9,10-Phenanthrenedione		208	C14H8O2	000084-11-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Sample : K3201-07DL 5X
Misc :
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ClientSampleId :
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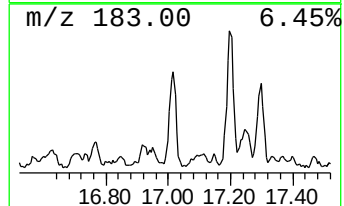
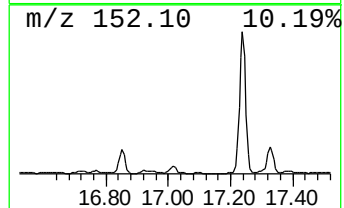
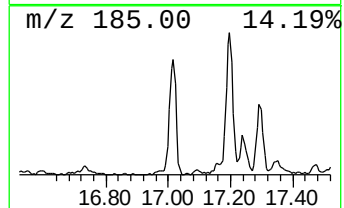
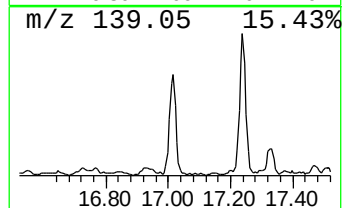
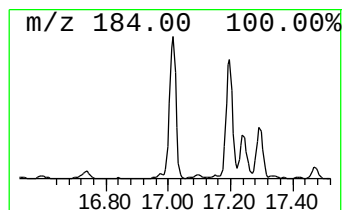
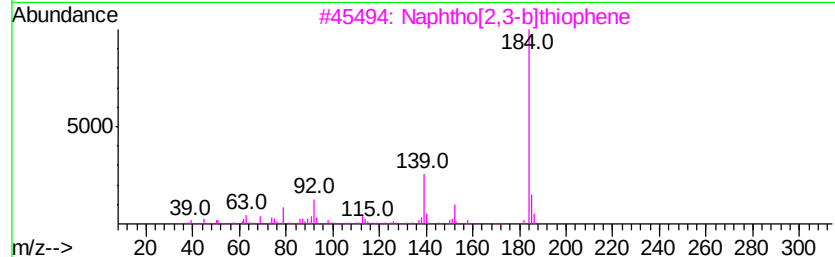
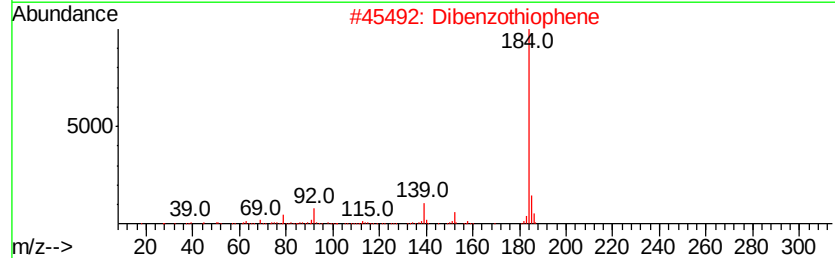
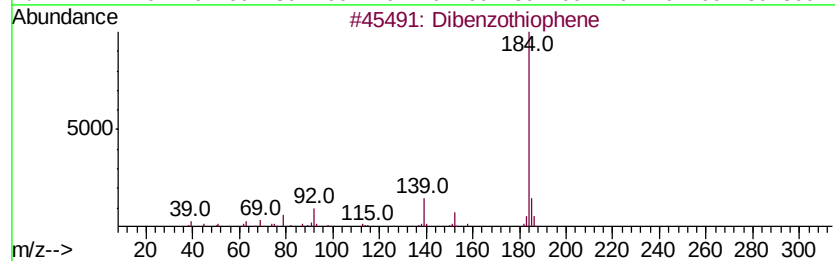
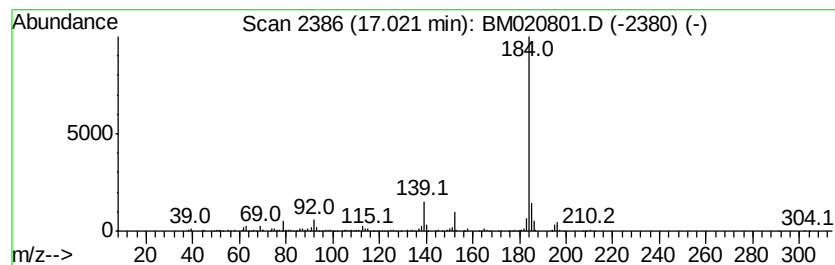
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.52 ng/ul	740423	Phenanthrene-d10	17.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene		184	C12H8S	000132-65-0	96
2	Dibenzothiophene		184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	95
4	Dibenzothiophene		184	C12H8S	000132-65-0	94
5	Dibenzothiophene		184	C12H8S	000132-65-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

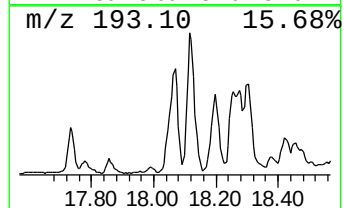
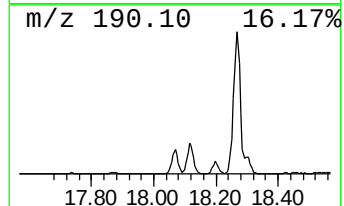
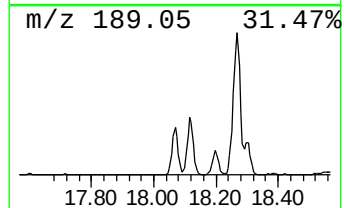
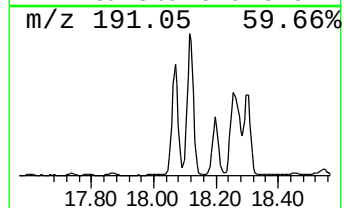
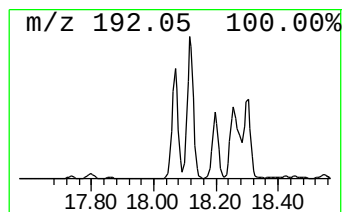
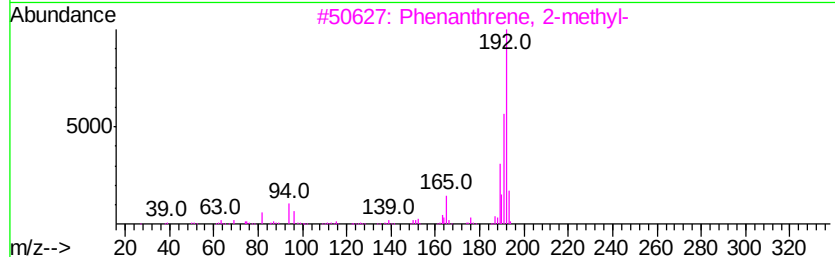
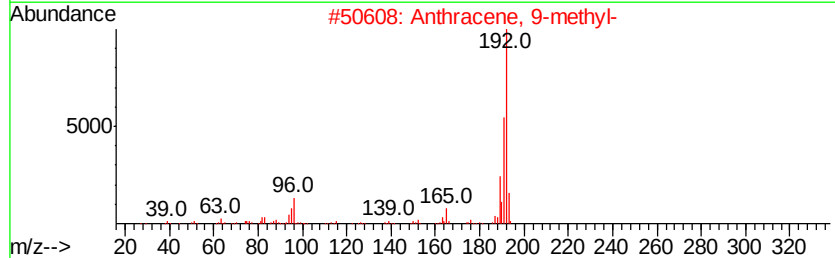
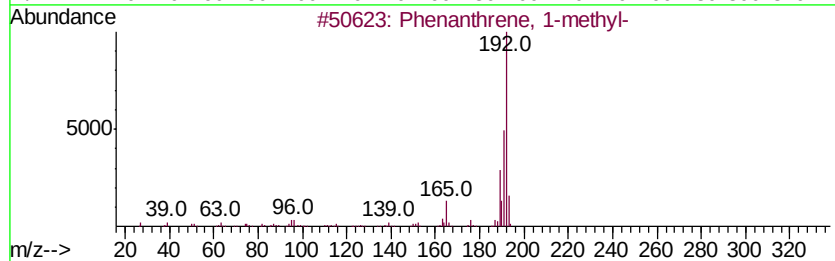
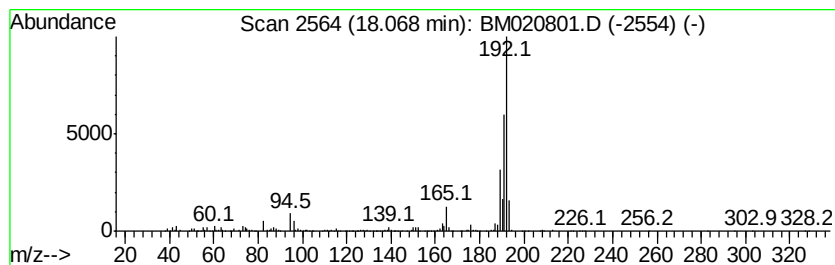
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.07	9.77 ng/ul	2057640	Phenanthrene-d10	17.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93	
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91	
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
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Misc :
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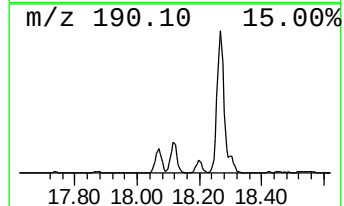
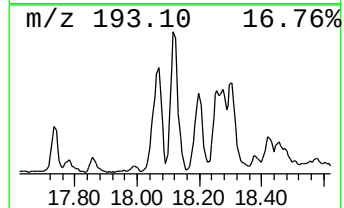
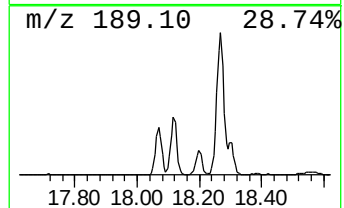
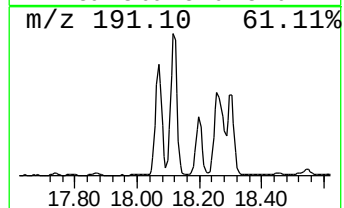
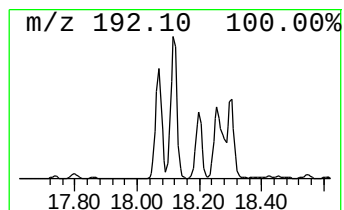
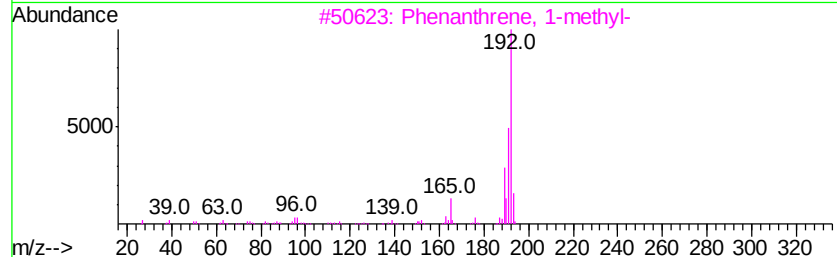
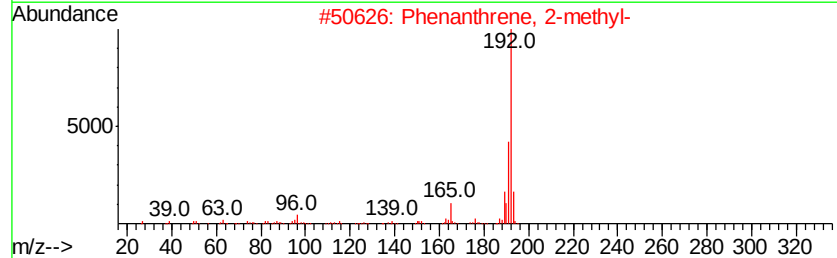
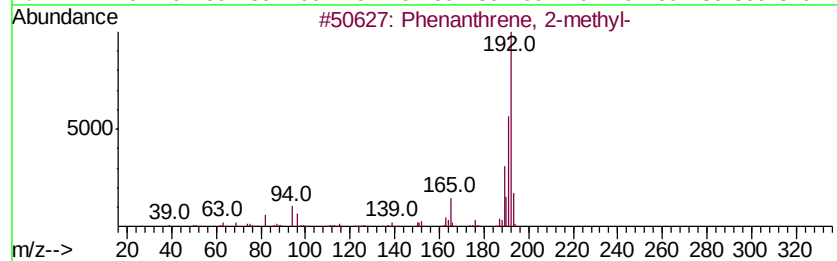
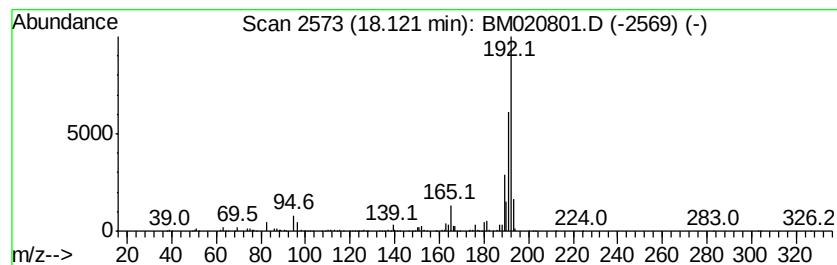
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	9.35 ng/ul	1967730	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
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Misc :
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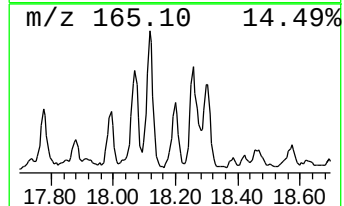
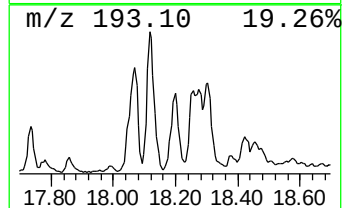
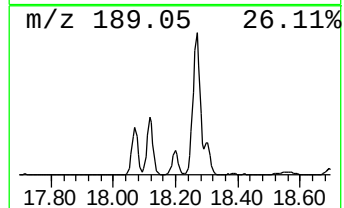
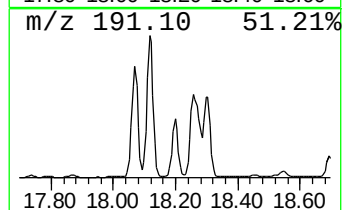
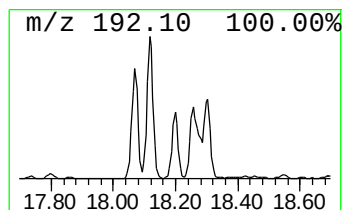
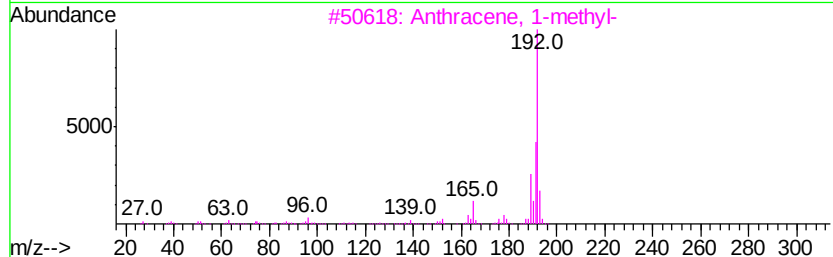
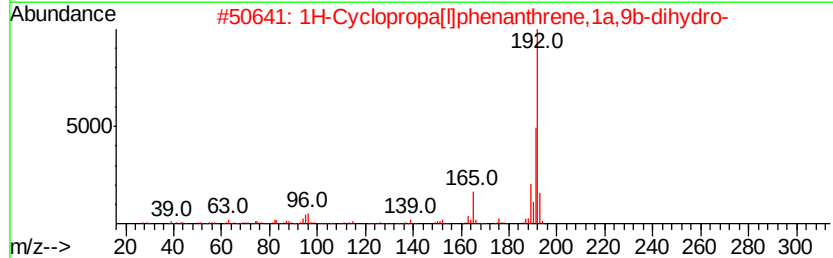
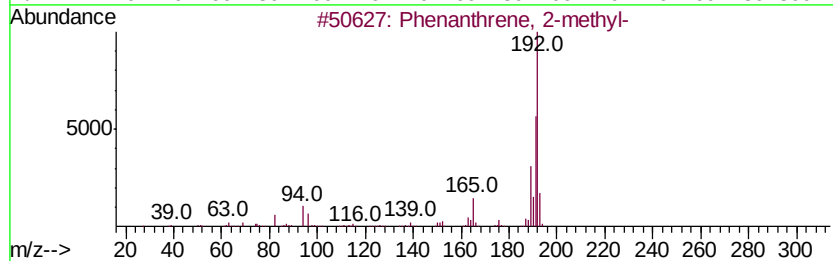
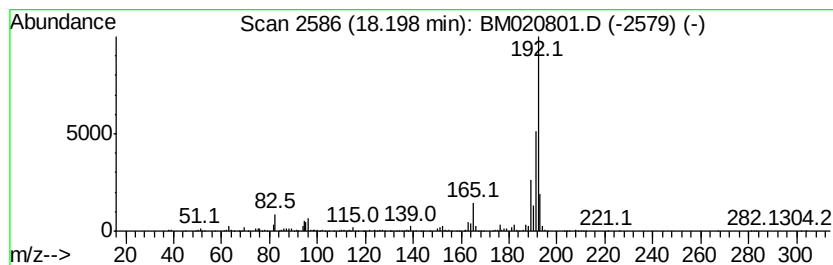
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	4.19 ng/ul	881176	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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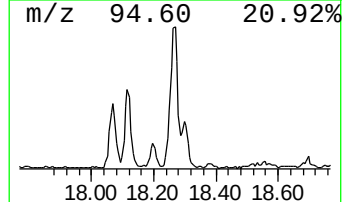
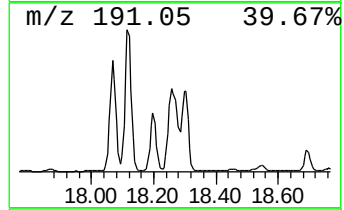
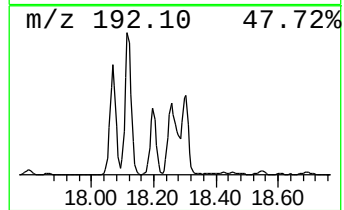
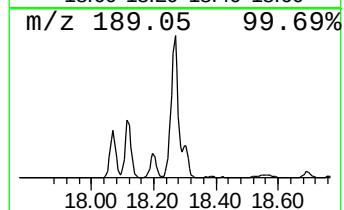
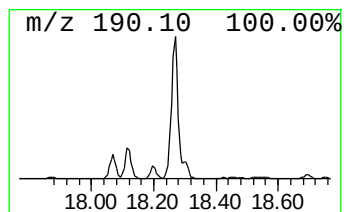
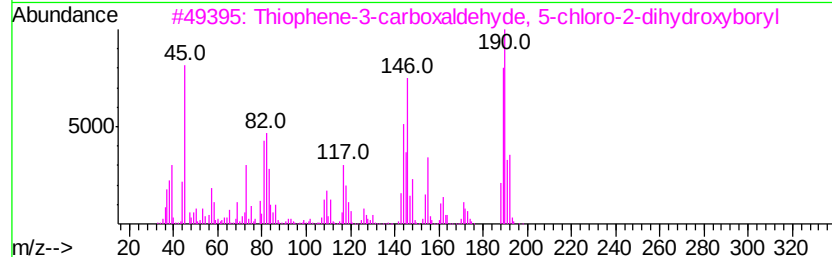
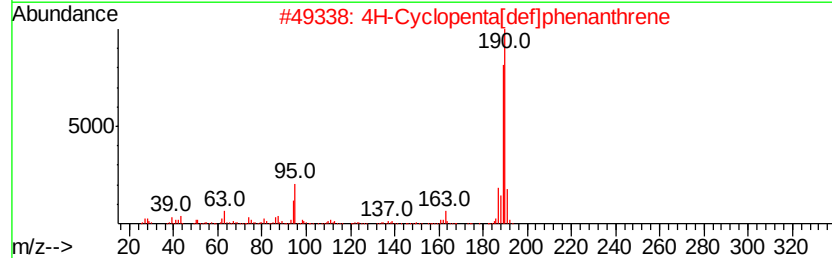
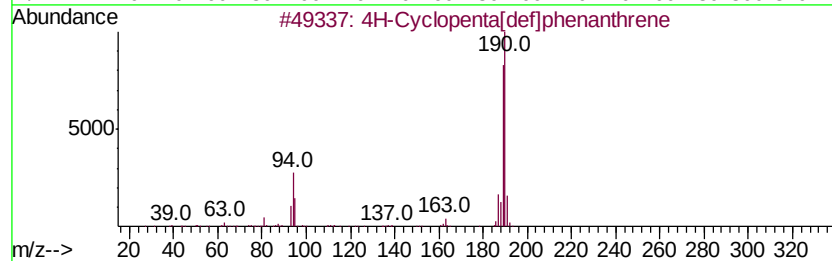
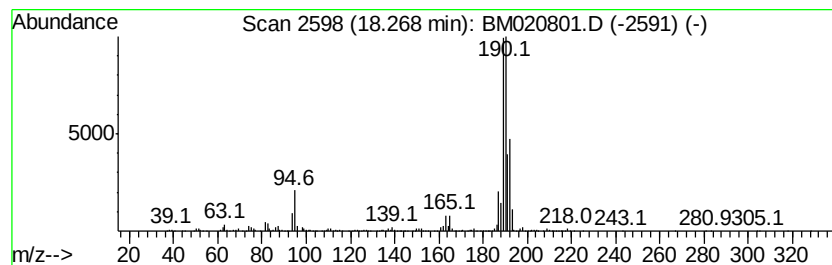
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.27	11.83 ng/ul	2490390	Phenanthrene-d10	17.20		
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	53
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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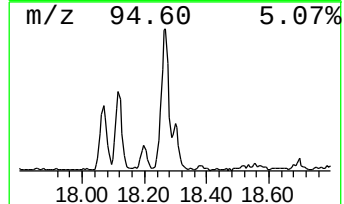
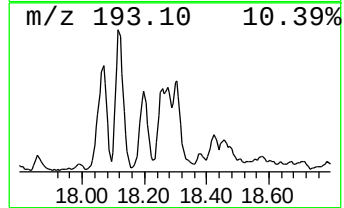
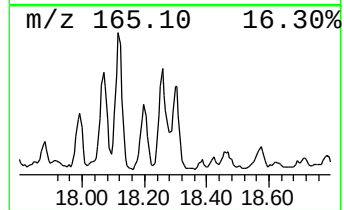
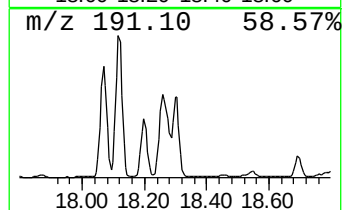
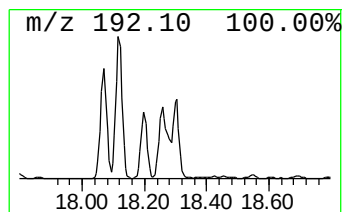
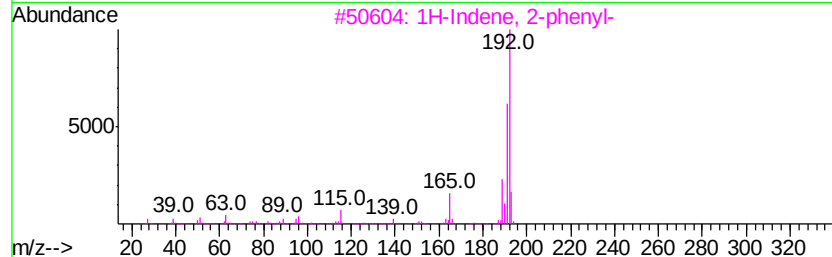
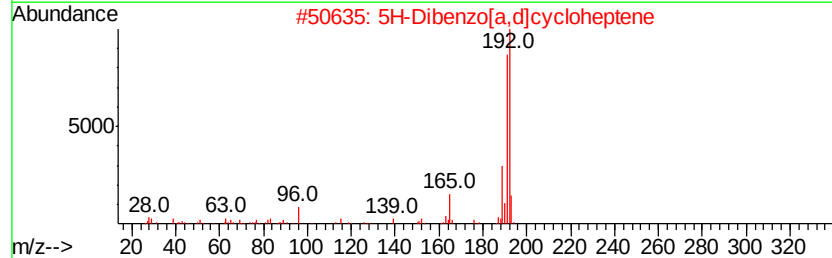
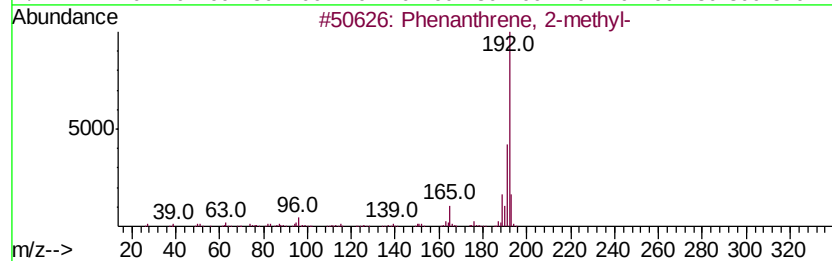
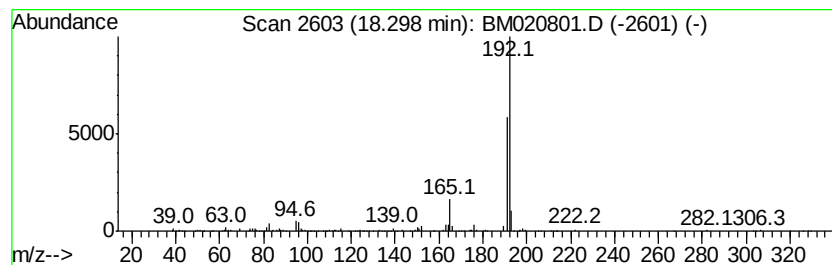
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 5H-Dibenzo[a,d]cycloheptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	4.19 ng/ul	881133	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	83
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

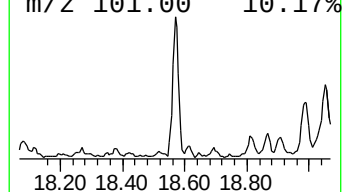
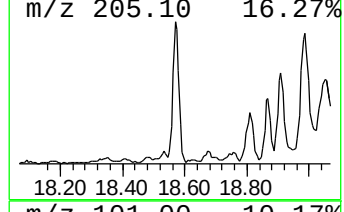
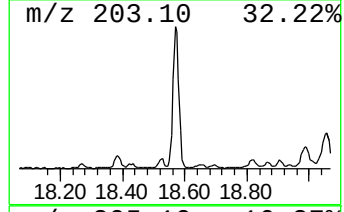
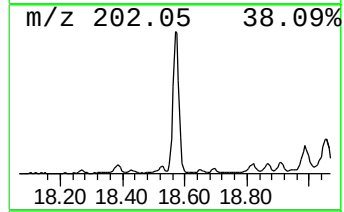
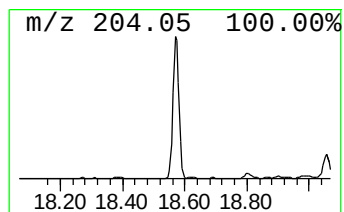
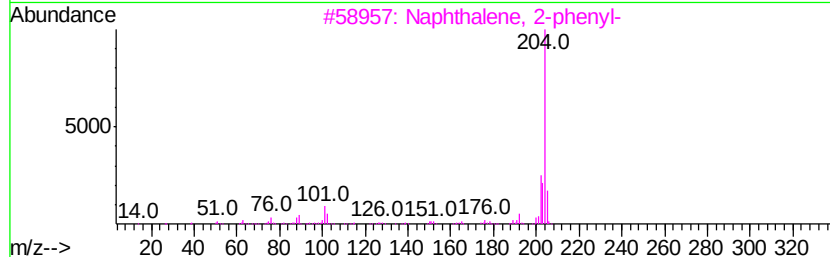
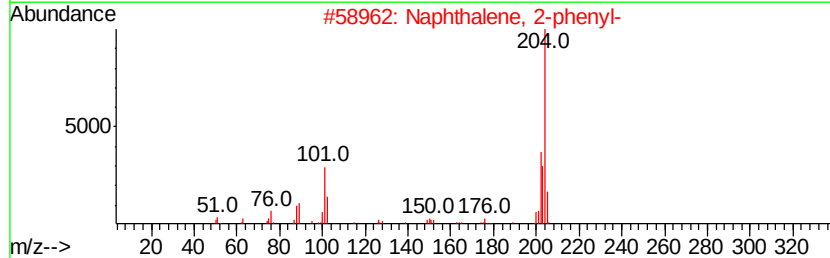
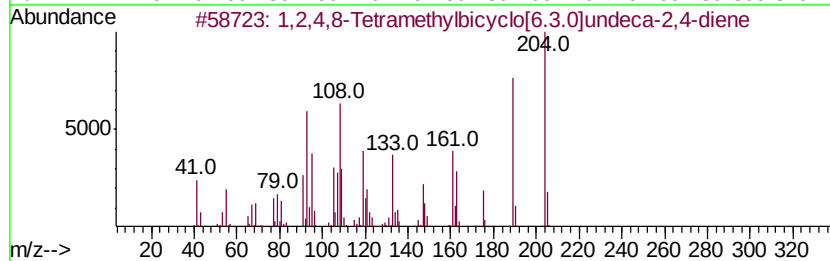
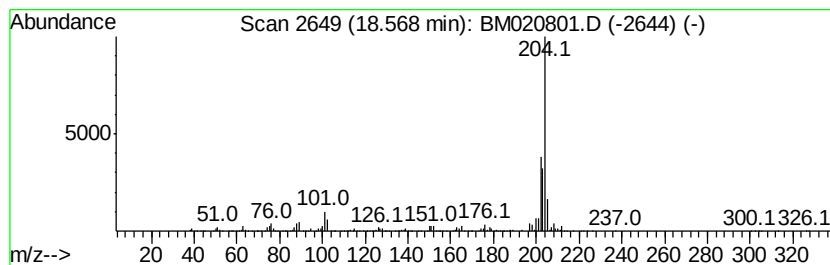
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.57	4.70 ng/ul	988616	Phenanthrene-d10	17.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	83	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70	
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70	
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	70	
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
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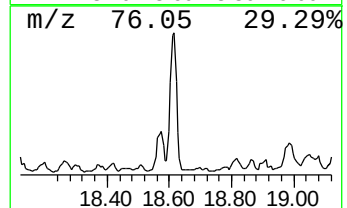
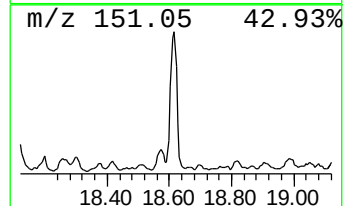
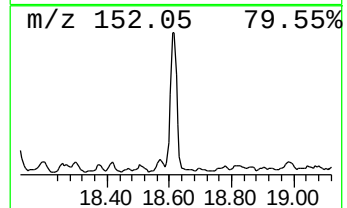
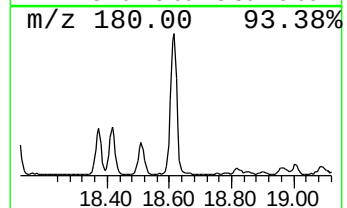
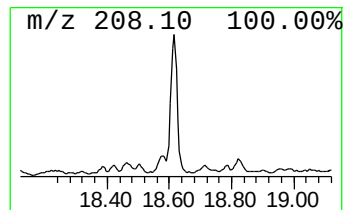
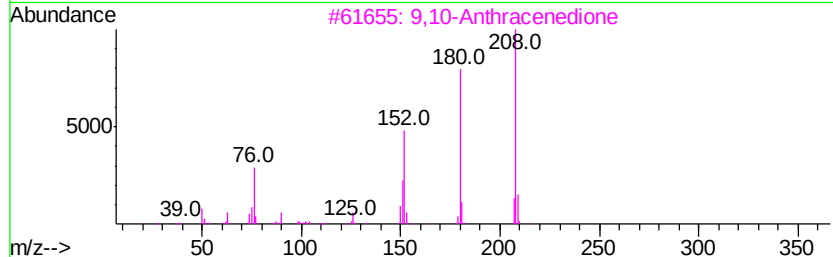
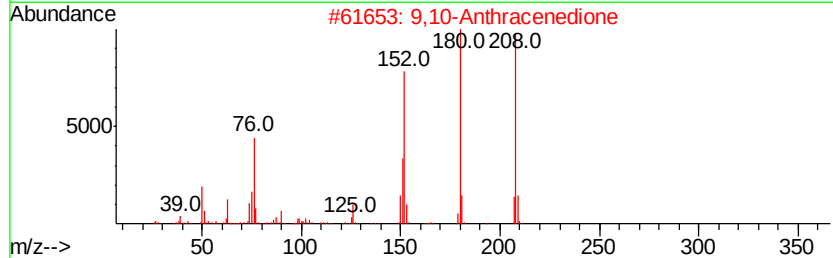
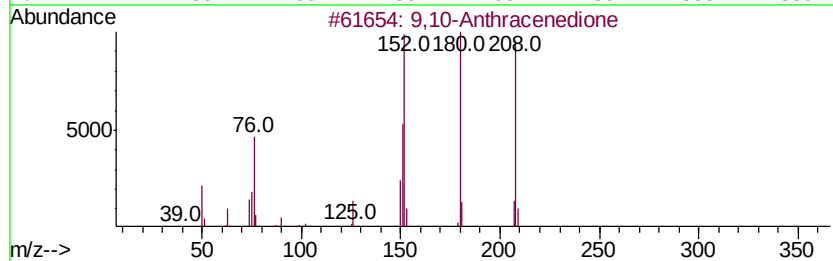
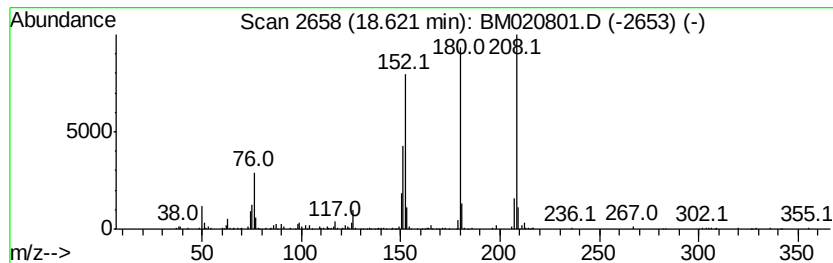
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.43 ng/ul	721959	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
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Sample : K3201-07DL 5X
Misc :
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Instrument :
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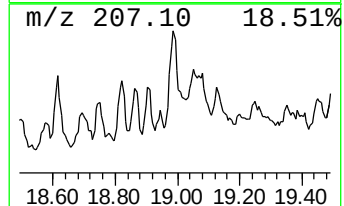
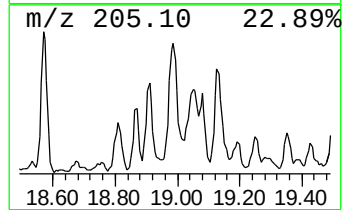
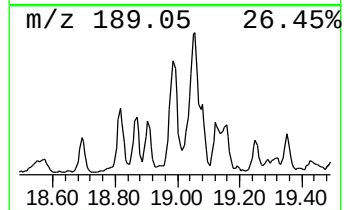
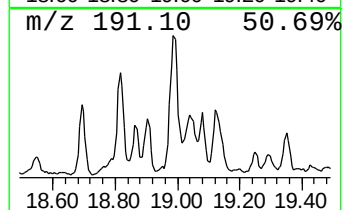
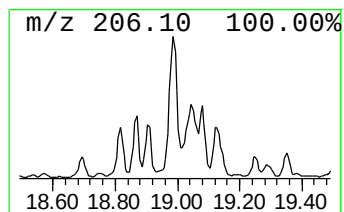
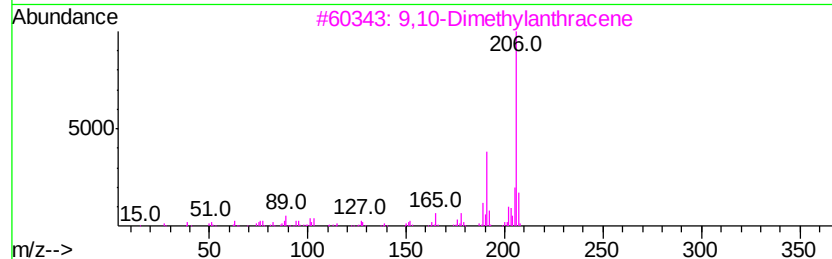
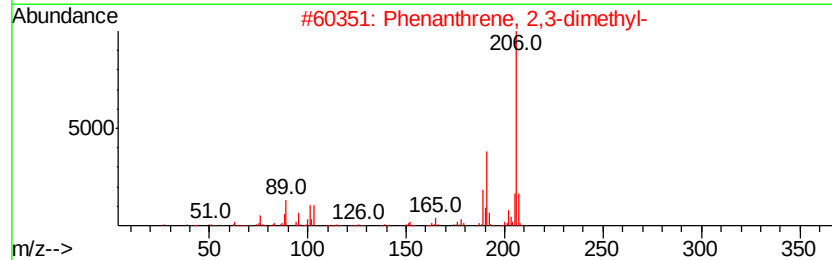
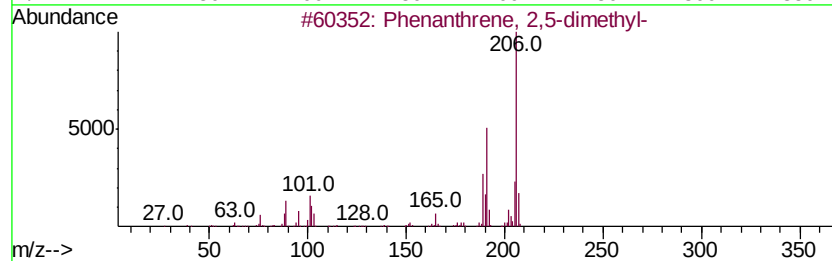
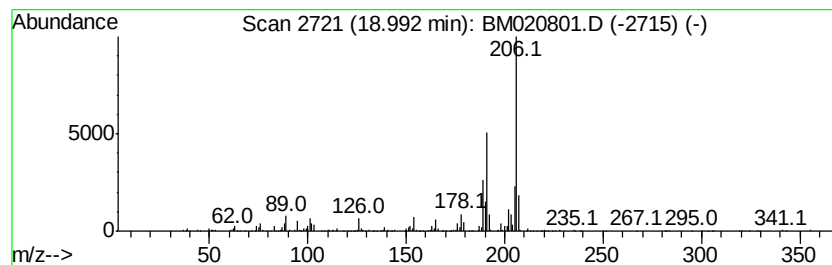
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	4.80 ng/ul	1010960	Phenanthrene-d10	17.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
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Misc :
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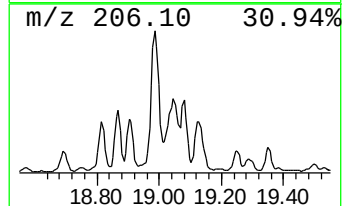
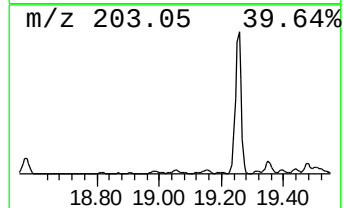
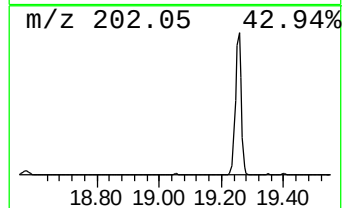
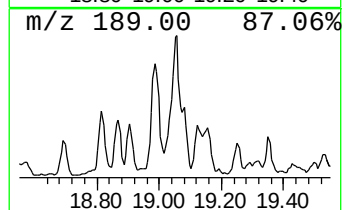
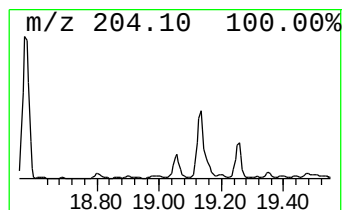
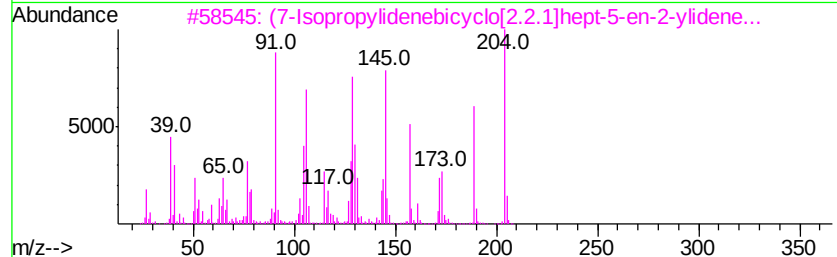
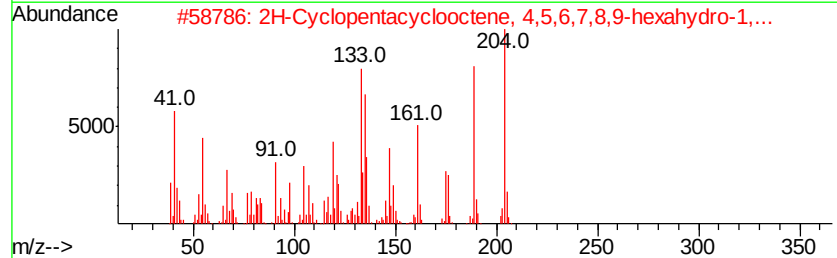
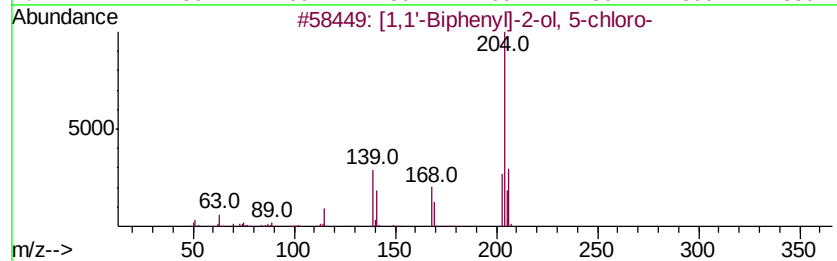
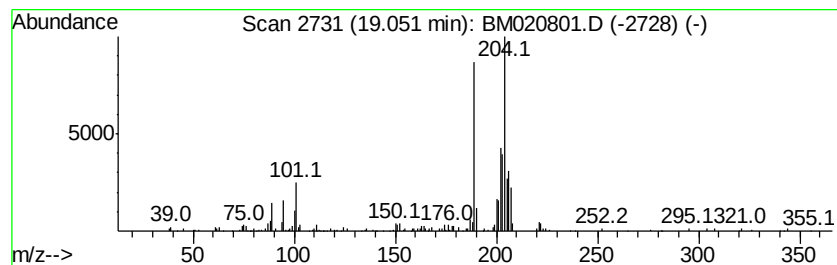
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.17 ng/ul	456995	Phenanthrene-d10	17.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
2			2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38
3			(7-Isopropylidenebicyclo[2.2.1]h...	204	C13H16O2	1000211-02-2	38
4			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5			2,3-Dimethoxy-5-aminocinnamitrile	204	C11H12N2O2	1000214-46-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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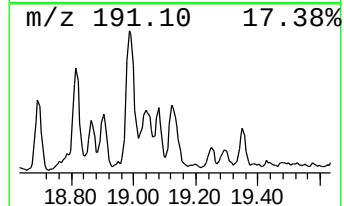
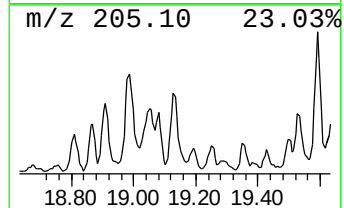
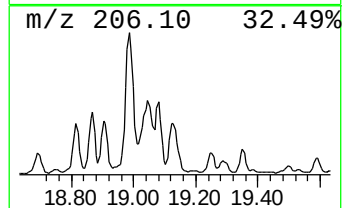
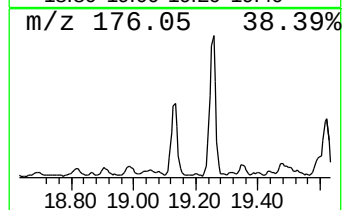
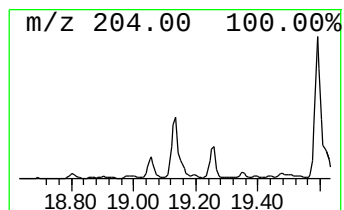
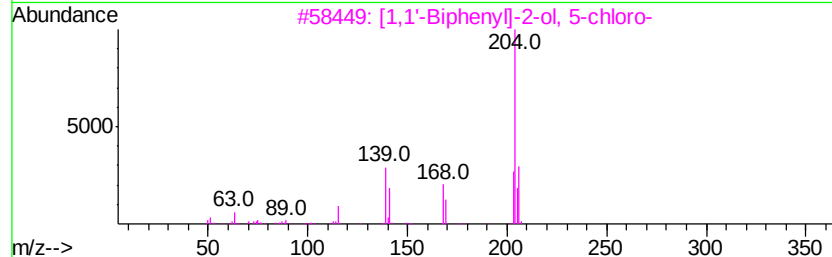
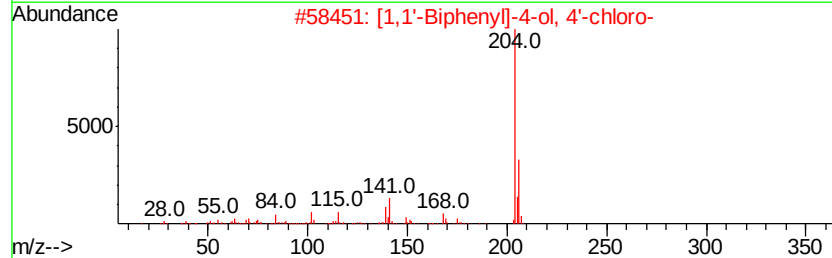
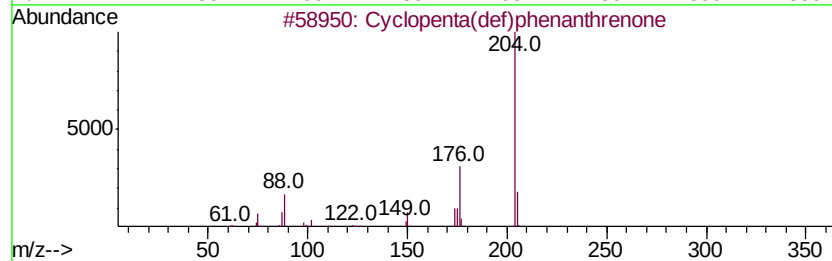
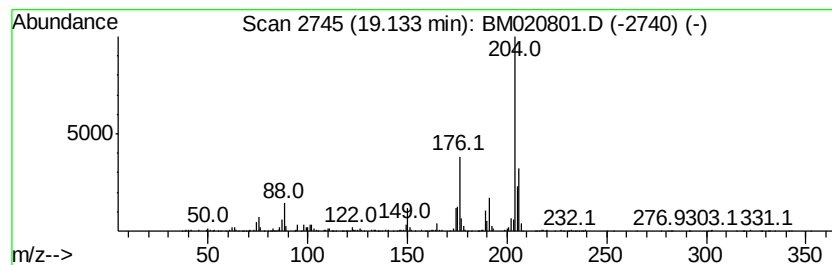
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.		
19.13	4.08 ng/ul	858514	Phenanthrene-d10		17.20		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5			[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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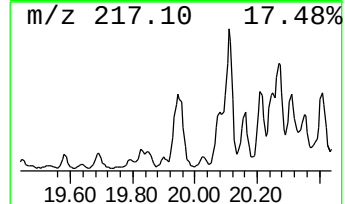
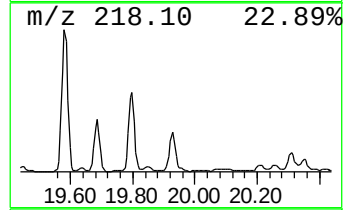
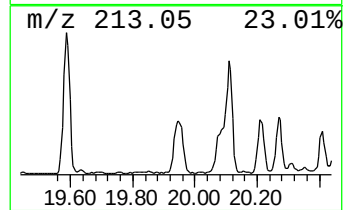
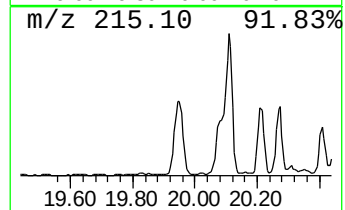
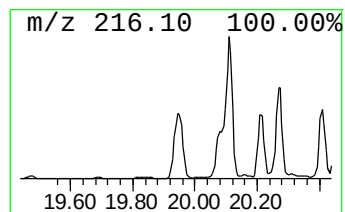
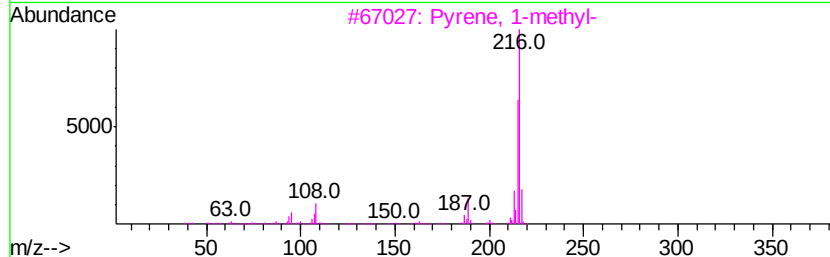
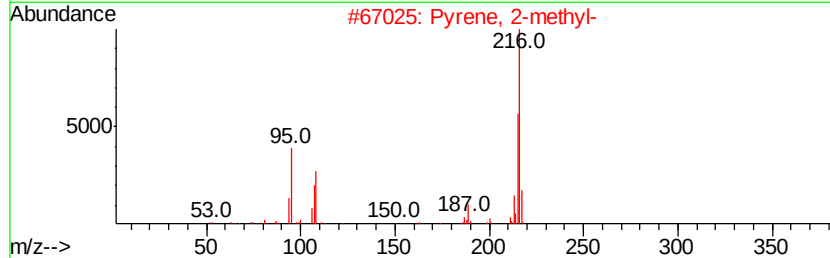
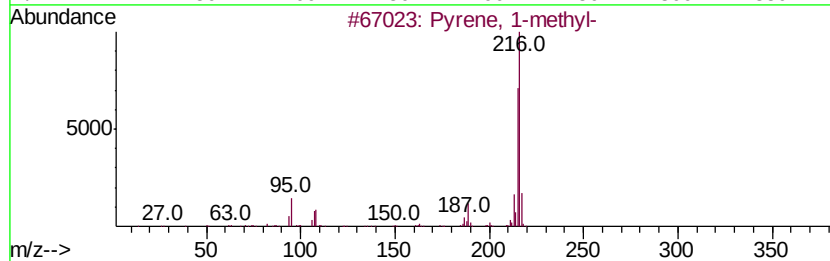
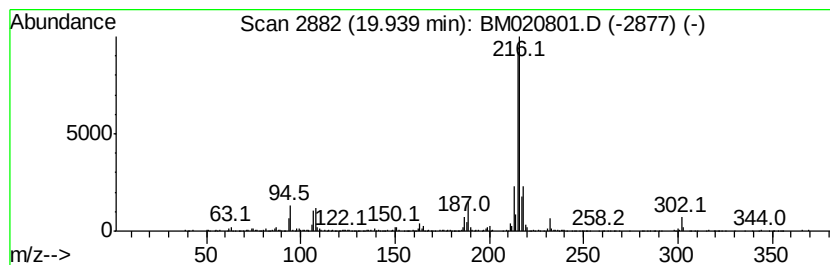
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.93 ng/ul	1495410	Chrysene-d12	21.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 96
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 92
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 92
4		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
5		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
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Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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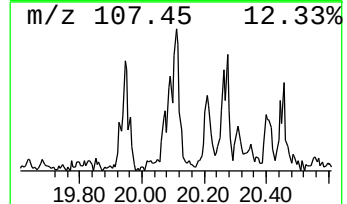
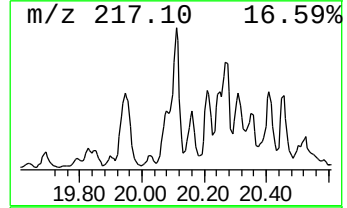
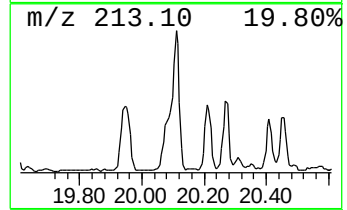
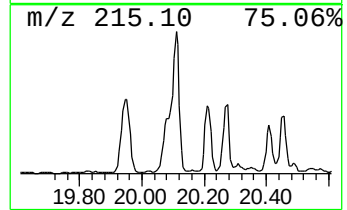
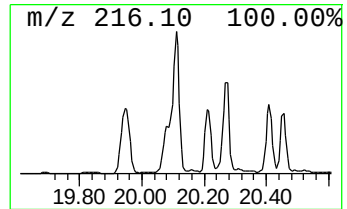
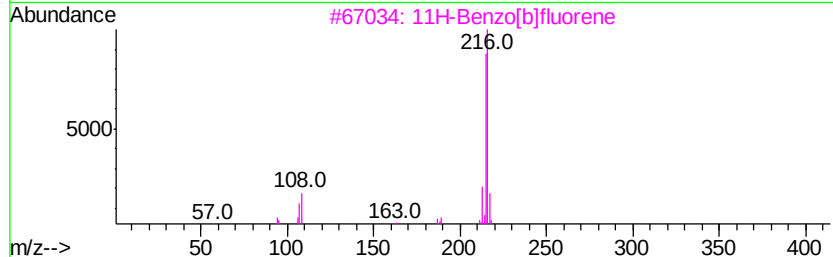
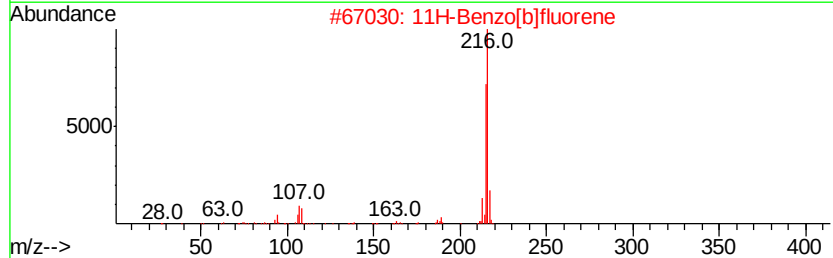
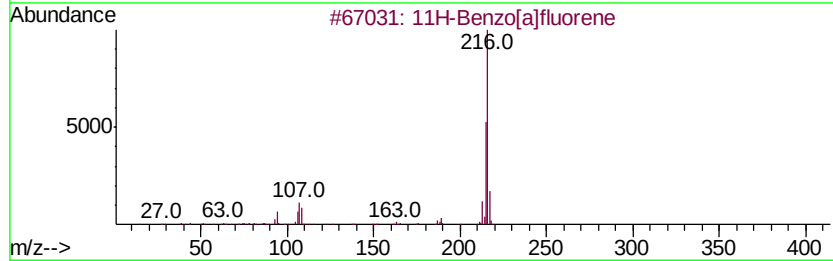
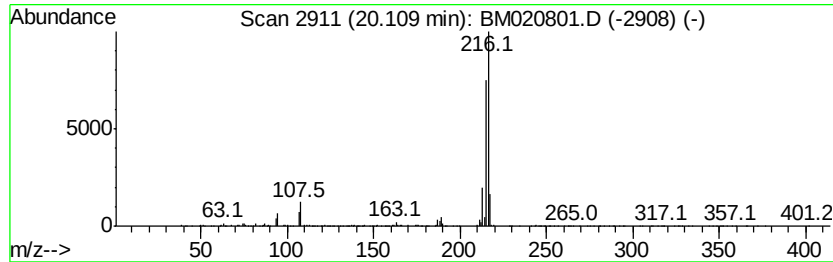
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.71 ng/ul	1385150	Chrysene-d12	21.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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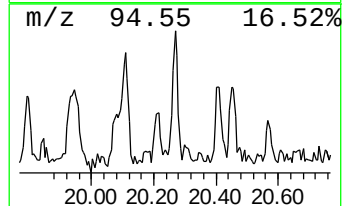
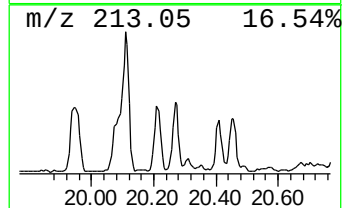
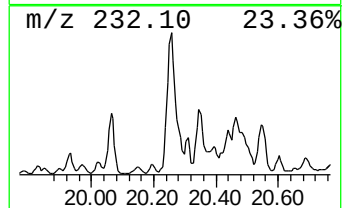
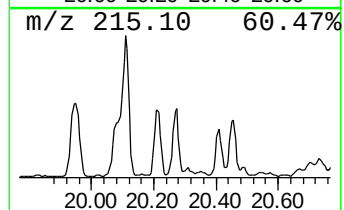
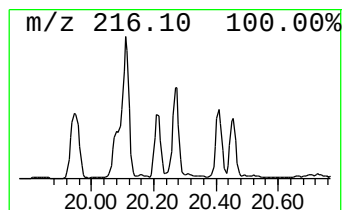
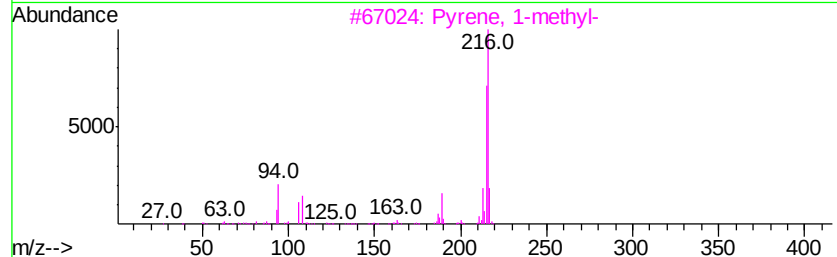
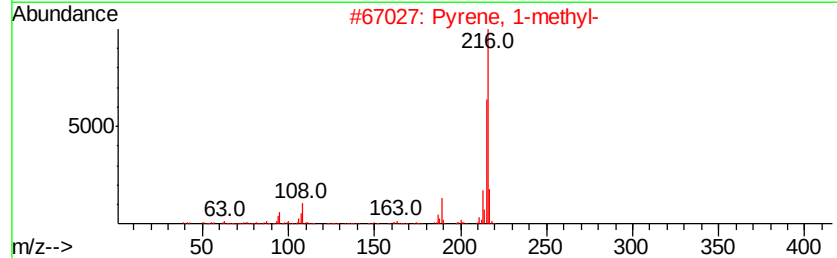
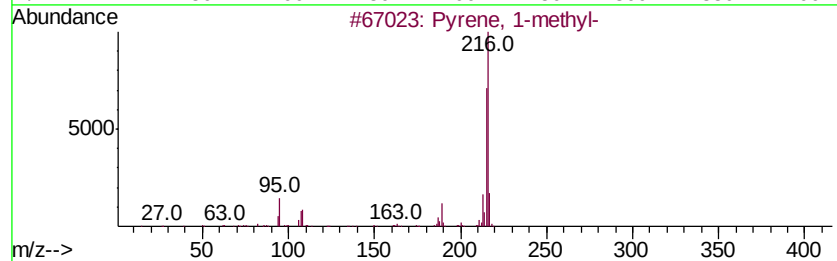
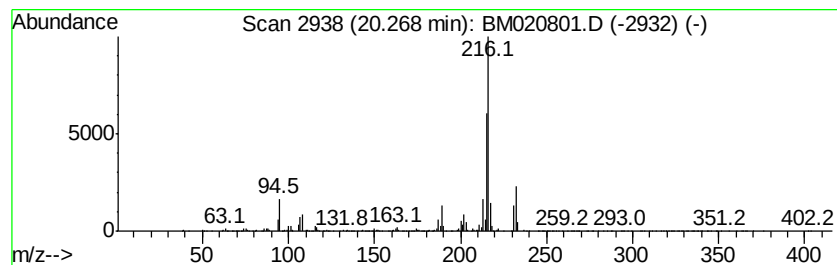
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.62 ng/ul	1339310	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

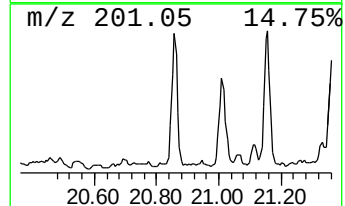
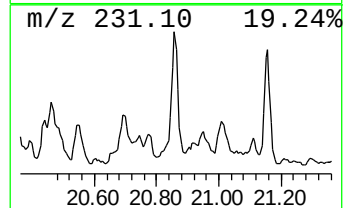
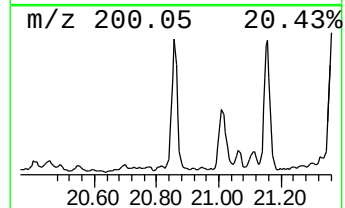
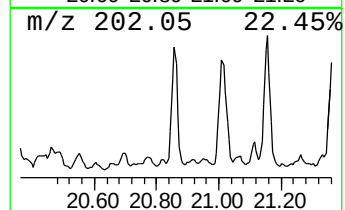
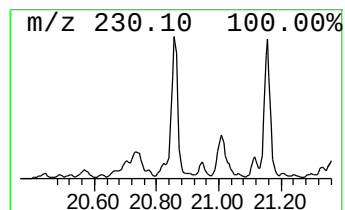
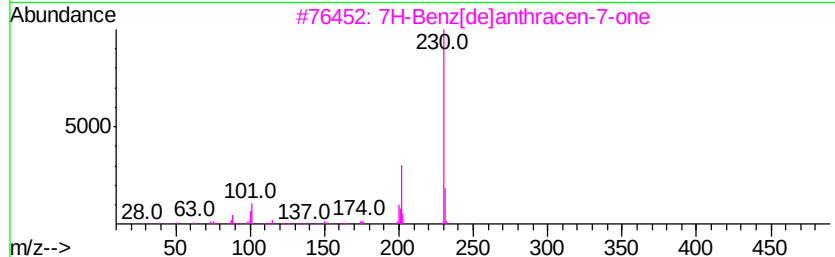
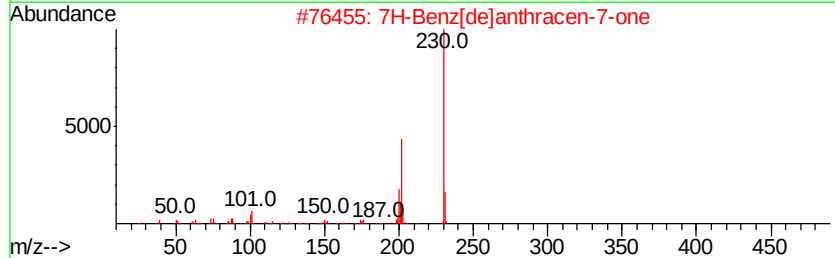
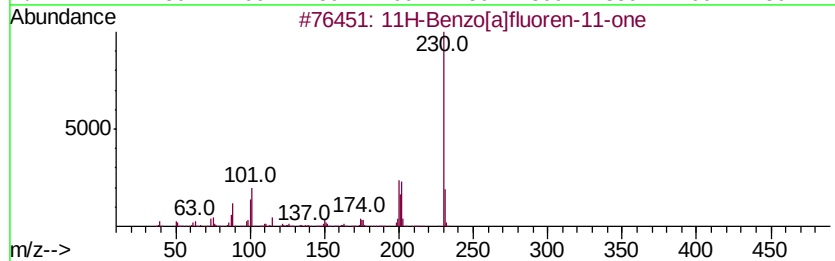
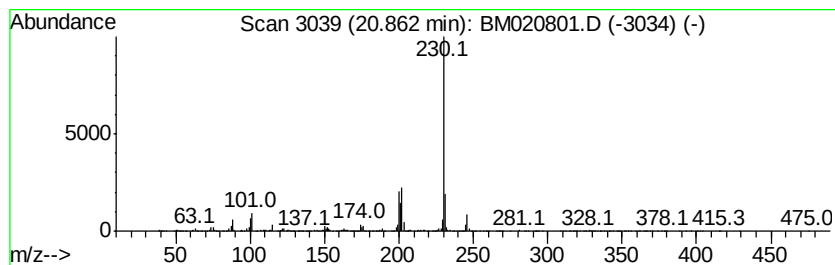
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.15 ng/ul	1098580	Chrysene-d12	21.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluoren-11-one	230 C17H10O	000479-79-8 97
2		7H-Benz[de]anthracen-7-one	230 C17H10O	000082-05-3 90
3		7H-Benz[de]anthracen-7-one	230 C17H10O	000082-05-3 89
4		7H-Benz[de]anthracen-7-one	230 C17H10O	000082-05-3 87
5		7H-Benz[de]anthracen-7-one	230 C17H10O	000082-05-3 87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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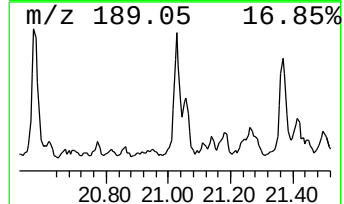
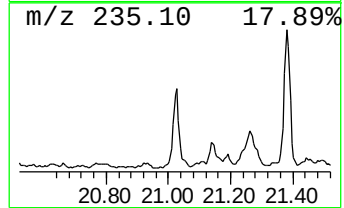
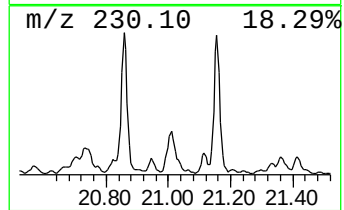
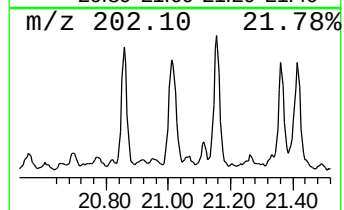
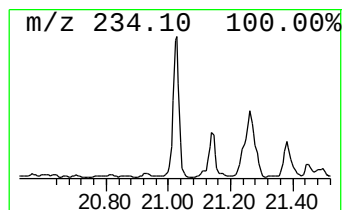
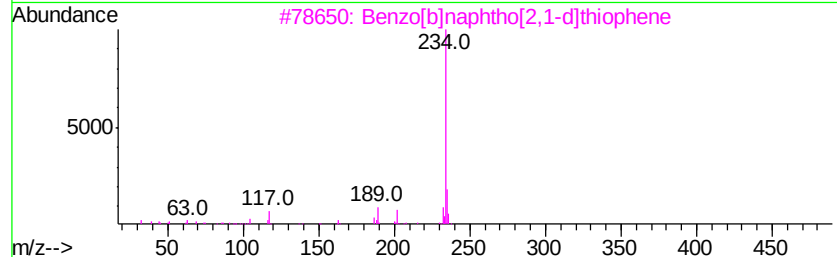
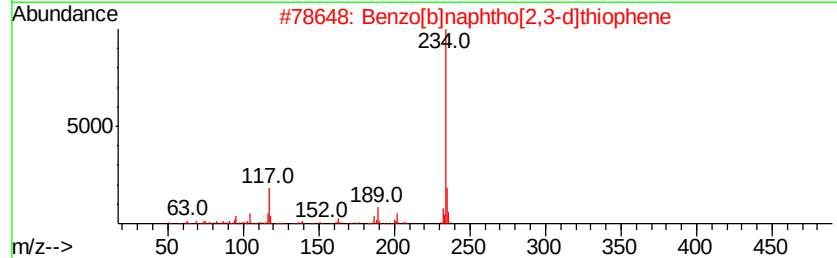
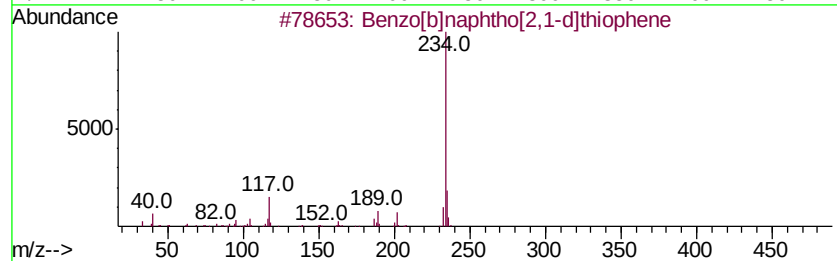
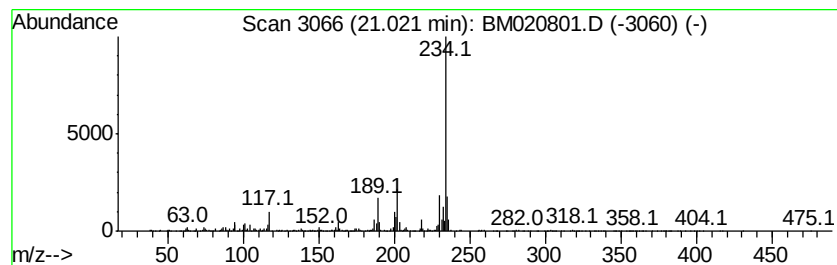
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.46 ng/ul	1258730	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	74
5		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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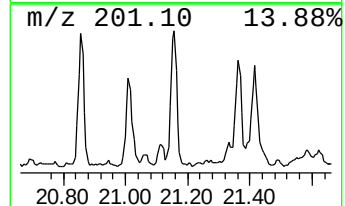
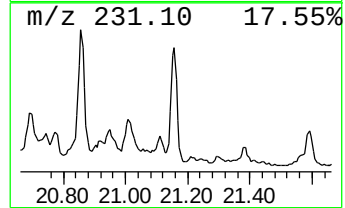
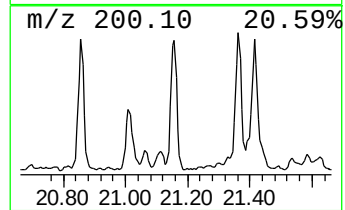
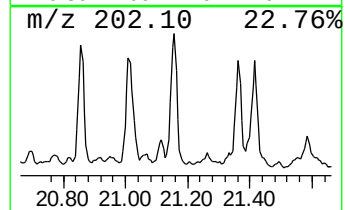
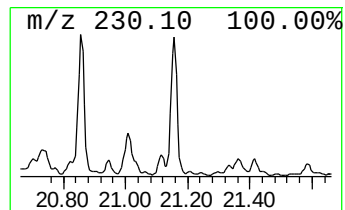
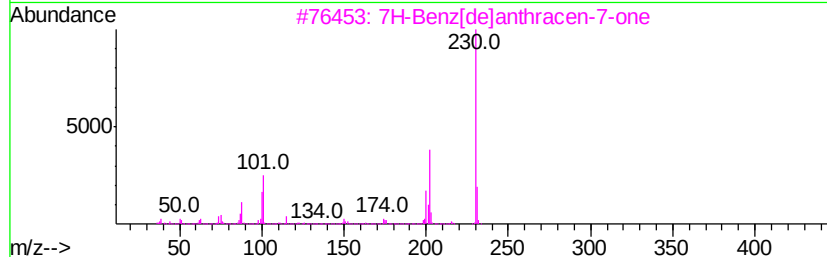
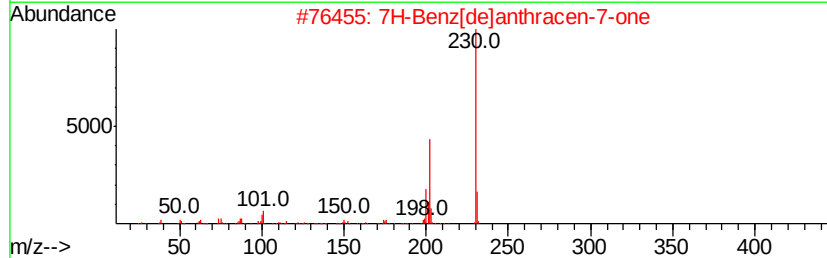
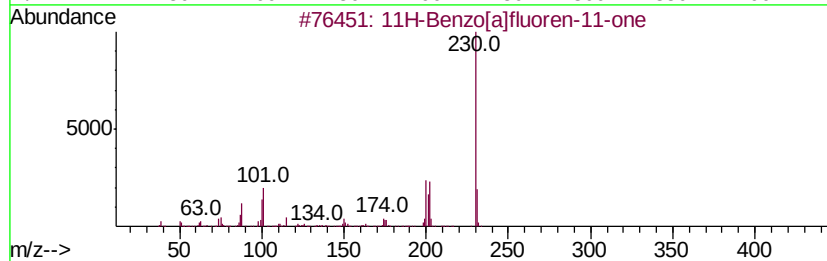
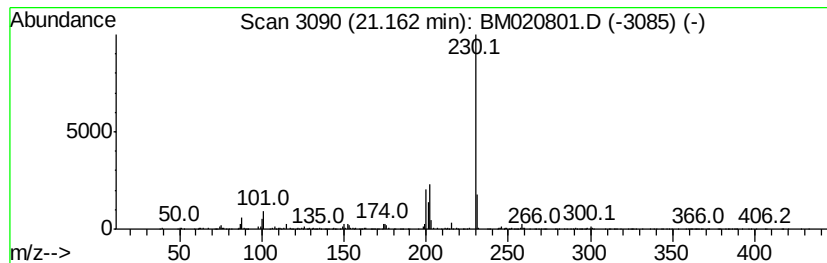
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.38 ng/ul	1218250	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
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	90
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
Operator : HP/JU
Sample : K3201-07DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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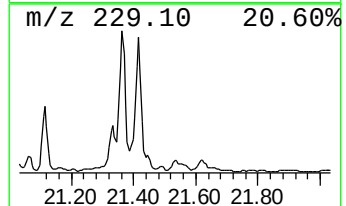
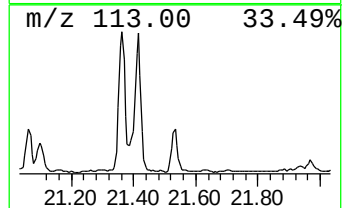
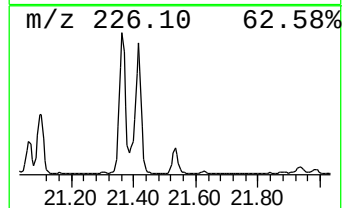
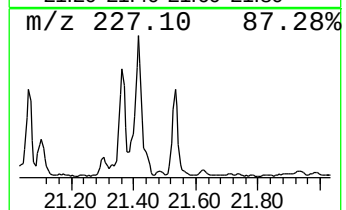
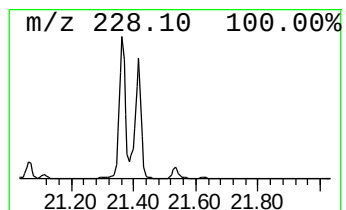
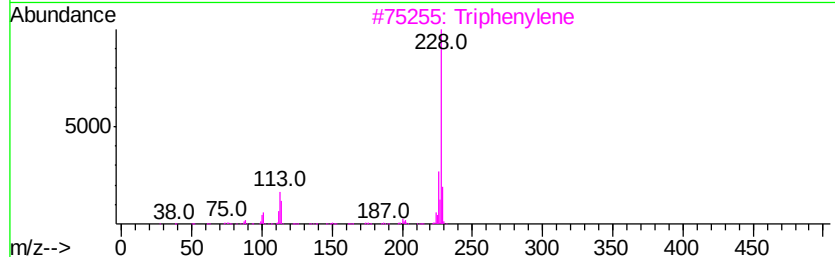
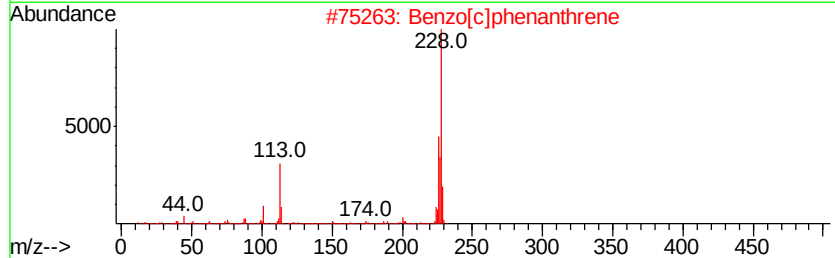
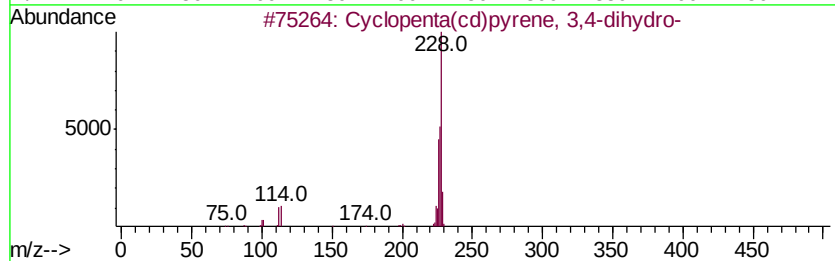
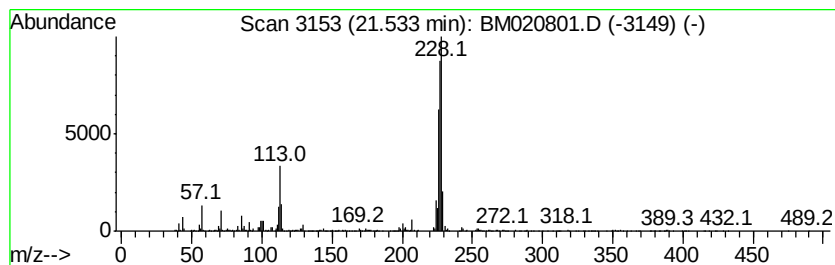
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.04 ng/ul	1042410	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2		Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
3		Triphenylene	228	C18H12	000217-59-4	50
4		Triphenylene	228	C18H12	000217-59-4	50
5		Benz[a]anthracene	228	C18H12	000056-55-3	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020801.D
Acq On : 07 Jun 2019 13:16
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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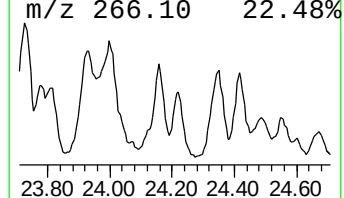
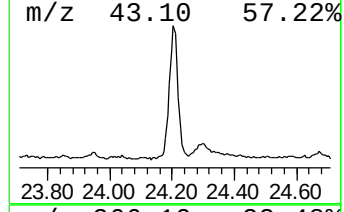
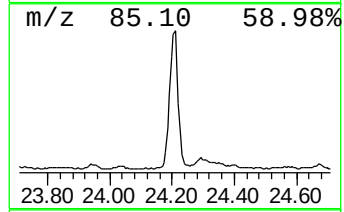
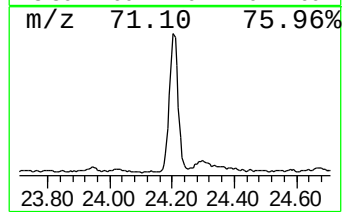
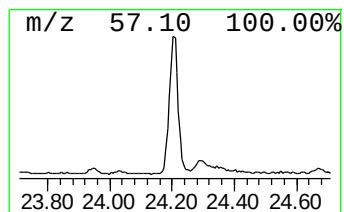
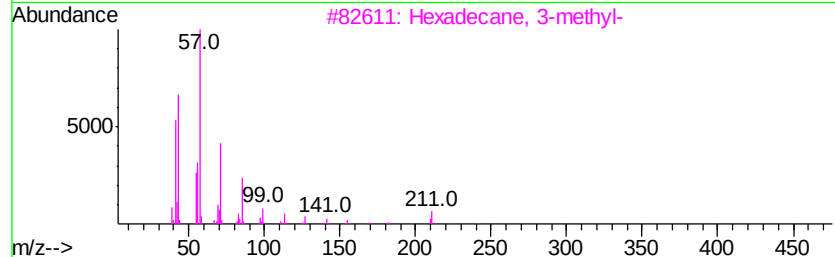
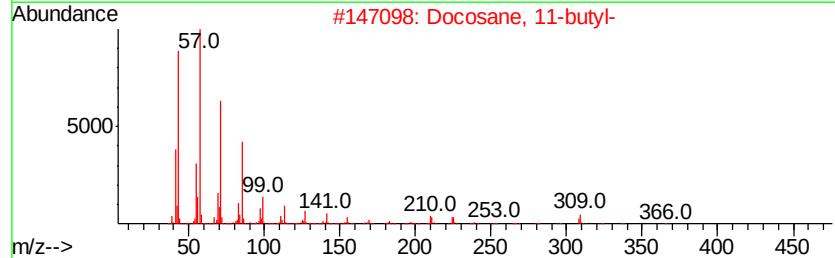
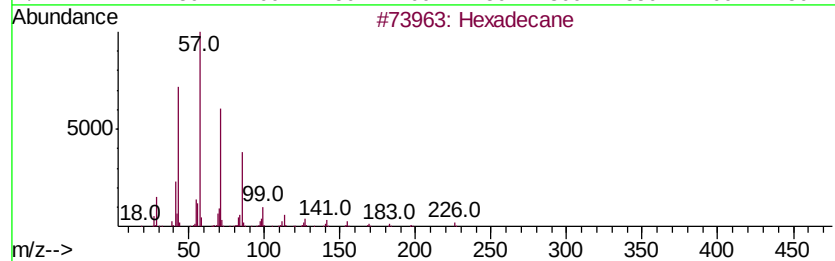
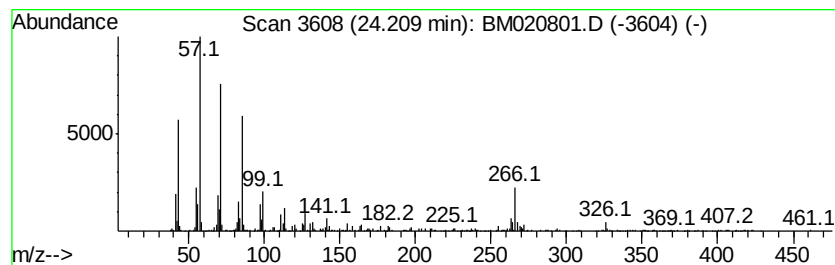
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.21	4.88 ng/ul	1036500	Perylene-d12	23.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Docosane, 11-butyl-	366	C26H54	013475-76-8	89
3			Hexadecane, 3-methyl-	240	C17H36	006418-43-5	81
4			Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	81
5			Tetratriacontane	479	C34H70	014167-59-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020801.D
 Acq On : 07 Jun 2019 13:16
 Operator : HP/JU
 Sample : K3201-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	35.4	ng/ul	3210980	1	7.81	1816250	20.0
2,4,6-Cycloheptat...	15.79	2.6	ng/ul	464405	3	14.45	3593640	20.0
6H-Dibenzo[b,d]-p...	15.94	2.9	ng/ul	617498	4	17.20	4210610	20.0
9H-Fluoren-9-one	16.85	3.0	ng/ul	635919	4	17.20	4210610	20.0
Dibenzothiophene	17.02	3.5	ng/ul	740423	4	17.20	4210610	20.0
Phenanthrene, 1-m...	18.07	9.8	ng/ul	2057640	4	17.20	4210610	20.0
Phenanthrene, 2-m...	18.12	9.3	ng/ul	1967730	4	17.20	4210610	20.0
1H-Cyclopropa[l]p...	18.20	4.2	ng/ul	881176	4	17.20	4210610	20.0
4H-Cyclopenta[def...	18.27	11.8	ng/ul	2490390	4	17.20	4210610	20.0
5H-Dibenzo[a,d]cy...	18.30	4.2	ng/ul	881133	4	17.20	4210610	20.0
1,2,4,8-Tetrameth...	18.57	4.7	ng/ul	988616	4	17.20	4210610	20.0
9,10-Anthracenedione	18.62	3.4	ng/ul	721959	4	17.20	4210610	20.0
Phenanthrene, 2,3...	18.99	4.8	ng/ul	1010960	4	17.20	4210610	20.0
unknown-01	19.05	2.2	ng/ul	456995	4	17.20	4210610	20.0
Cyclopenta(def)ph...	19.13	4.1	ng/ul	858514	4	17.20	4210610	20.0
Pyrene, 1-methyl-	19.94	2.9	ng/ul	1495410	5	21.38	10219900	20.0
11H-Benzo[a]fluorene	20.11	2.7	ng/ul	1385150	5	21.38	10219900	20.0
Pyrene, 4-methyl-	20.27	2.6	ng/ul	1339310	5	21.38	10219900	20.0
11H-Benzo[a]fluor...	20.86	2.1	ng/ul	1098580	5	21.38	10219900	20.0
Benzo[b]naphtho[2...	21.02	2.5	ng/ul	1258730	5	21.38	10219900	20.0
7H-Benz[de]anthra...	21.16	2.4	ng/ul	1218250	5	21.38	10219900	20.0
Cyclopenta(cd)pyr...	21.53	2.0	ng/ul	1042410	5	21.38	10219900	20.0
(DEL) Alkane: Str...	24.21	4.9	ng/ul	1036500	6	23.67	4246760	20.0