

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
 Data File : BM020481.D
 Acq On : 22 May 2019 04:05
 Operator : JU/SJ
 Sample : K2923-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4254

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-BM051619MA.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	6.887	658	663	677	rVB	189428	345790	16.91%	1.436%
2	7.063	688	693	704	rVB	141142	234786	11.48%	0.975%
3	7.251	719	725	733	rBV	216353	345729	16.91%	1.436%
4	7.722	799	805	813	rBV	205725	351547	17.20%	1.460%
5	8.422	918	924	939	rVB	211862	378509	18.51%	1.572%
6	8.887	997	1003	1019	rVB	169645	300078	14.68%	1.246%
7	9.222	1057	1060	1066	rVB3	7116	11427	0.56%	0.047%
8	9.604	1119	1125	1139	rVB	146150	255514	12.50%	1.061%
9	10.134	1209	1215	1227	rBV	227815	405103	19.81%	1.682%
10	10.510	1272	1279	1285	rBV	275192	449822	22.00%	1.868%
11	10.663	1299	1305	1318	rBV	88822	186273	9.11%	0.774%
12	12.175	1560	1562	1570	rVB3	2763	4693	0.23%	0.019%
13	12.398	1596	1600	1605	rBV3	3189	4839	0.24%	0.020%
14	13.245	1740	1744	1748	rBV3	6255	7817	0.38%	0.032%
15	13.633	1807	1810	1815	rBV2	4992	5641	0.28%	0.023%
16	13.686	1815	1819	1824	rBV3	2977	4742	0.23%	0.020%
17	13.780	1830	1835	1840	rVV	439884	593557	29.03%	2.465%
18	13.827	1840	1843	1852	rVB	162894	220498	10.79%	0.916%
19	14.063	1877	1883	1898	rVB	493240	752277	36.80%	3.124%
20	14.369	1928	1935	1942	rBV2	397621	614197	30.04%	2.551%
21	14.433	1942	1946	1951	rVB	27047	36324	1.78%	0.151%
22	14.592	1965	1973	1976	rBV	67079	110753	5.42%	0.460%
23	14.639	1976	1981	1994	rVV	258143	476001	23.28%	1.977%
24	14.769	1998	2003	2013	rVB	22629	41099	2.01%	0.171%
25	15.157	2066	2069	2073	rBV2	3487	4641	0.23%	0.019%
26	15.204	2073	2077	2080	rVV3	3798	4479	0.22%	0.019%
27	15.368	2098	2105	2110	rBV	643381	938396	45.90%	3.897%
28	15.421	2110	2114	2121	rVV2	30527	49656	2.43%	0.206%
29	15.504	2123	2128	2134	rVV	136518	188135	9.20%	0.781%
30	15.586	2138	2142	2143	rVV	5722	6257	0.31%	0.026%
31	15.604	2143	2145	2148	rVV2	5568	6174	0.30%	0.026%
32	15.716	2160	2164	2169	rVB2	11737	14245	0.70%	0.059%
33	15.863	2184	2189	2197	rVB	13918	24326	1.19%	0.101%
34	15.951	2197	2204	2210	rBV3	3329	7515	0.37%	0.031%

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35	16.086	2225	2227	2231	rVV4	3867	4720	0.23%	0.020%
36	16.404	2274	2281	2282	rBV4	6467	10655	0.52%	0.044%
37	16.427	2282	2285	2290	rVV2	6443	10287	0.50%	0.043%
38	16.474	2290	2293	2297	rVB2	3505	5254	0.26%	0.022%
39	16.515	2297	2300	2304	rBV3	3130	4283	0.21%	0.018%
40	16.651	2315	2323	2326	rBV4	10114	17182	0.84%	0.071%
41	16.692	2326	2330	2334	rBV5	8436	9613	0.47%	0.040%
42	16.780	2341	2345	2352	rVB	40621	58859	2.88%	0.244%
43	16.945	2369	2373	2378	rBV	25480	34610	1.69%	0.144%
44	17.121	2397	2403	2407	rVV2	573506	831927	40.69%	3.455%
45	17.162	2407	2410	2415	rVV	663801	929035	45.44%	3.858%
46	17.221	2415	2420	2424	rVV	744378	1065663	52.12%	4.426%
47	17.257	2424	2426	2433	rVV	112464	141607	6.93%	0.588%
48	17.321	2436	2437	2445	rVB5	6527	7477	0.37%	0.031%
49	17.410	2448	2452	2454	rBV4	3583	4880	0.24%	0.020%
50	17.439	2456	2457	2462	rVB4	6294	6200	0.30%	0.026%
51	17.533	2463	2473	2480	rBV	60391	123606	6.05%	0.513%
52	17.592	2480	2483	2488	rVB5	7452	13032	0.64%	0.054%
53	17.639	2488	2491	2497	rBV4	12691	19805	0.97%	0.082%
54	17.710	2499	2503	2506	rBV5	12744	16000	0.78%	0.066%
55	17.804	2517	2519	2522	rBV3	2782	4201	0.21%	0.017%
56	17.839	2522	2525	2527	rBV3	5314	5443	0.27%	0.023%
57	17.874	2530	2531	2534	rVB3	5763	4795	0.23%	0.020%
58	17.921	2534	2539	2544	rBV6	7627	16034	0.78%	0.067%
59	18.004	2547	2553	2556	rBV2	148440	240179	11.75%	0.997%
60	18.045	2556	2560	2565	rVB	114534	172256	8.43%	0.715%
61	18.127	2570	2574	2579	rVV2	29831	44632	2.18%	0.185%
62	18.192	2579	2585	2589	rVV2	93825	184331	9.02%	0.766%
63	18.227	2589	2591	2598	rVB	56742	69703	3.41%	0.289%
64	18.309	2598	2605	2608	rBV7	12219	27463	1.34%	0.114%
65	18.351	2609	2612	2615	rVV4	9711	11760	0.58%	0.049%
66	18.386	2615	2618	2623	rVB5	7108	12663	0.62%	0.053%
67	18.445	2623	2628	2632	rBV7	9792	15216	0.74%	0.063%
68	18.498	2632	2637	2642	rBV	65987	95423	4.67%	0.396%
69	18.551	2642	2646	2652	rVV	89761	131814	6.45%	0.547%
70	18.621	2655	2658	2661	rVB3	6704	8084	0.40%	0.034%
71	18.721	2670	2675	2676	rBV5	7923	12681	0.62%	0.053%

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72	18.751	2676	2680	2683	rVV5	22859	36861	1.80%	0.153%
73	18.792	2684	2687	2691	rVV2	18855	28310	1.38%	0.118%
74	18.833	2691	2694	2698	rVB4	16492	23235	1.14%	0.096%
75	18.915	2703	2708	2712	rBV2	52951	92200	4.51%	0.383%
76	19.009	2722	2724	2728	rVB3	25077	26200	1.28%	0.109%
77	19.068	2728	2734	2740	rVB2	79364	131010	6.41%	0.544%
78	19.186	2742	2754	2761	rBV	1280256	1749341	85.56%	7.265%
79	19.292	2767	2772	2776	rBV3	89418	131256	6.42%	0.545%
80	19.339	2776	2780	2784	rVB2	36335	51501	2.52%	0.214%
81	19.398	2786	2790	2792	rBV3	18527	29705	1.45%	0.123%
82	19.521	2805	2811	2814	rBV2	1179498	1794718	87.78%	7.453%
83	19.551	2814	2816	2824	rVV	998539	1210074	59.19%	5.025%
84	19.621	2824	2828	2834	rVB2	70280	114838	5.62%	0.477%
85	19.727	2842	2846	2852	rVB2	53146	83570	4.09%	0.347%
86	19.874	2865	2871	2878	rBV3	78056	196469	9.61%	0.816%
87	19.939	2879	2882	2888	rVV4	19796	45207	2.21%	0.188%
88	20.145	2914	2917	2920	rBV2	32331	47436	2.32%	0.197%
89	20.203	2921	2927	2931	rVV2	95884	177843	8.70%	0.739%
90	20.245	2931	2934	2937	rVB2	29579	37255	1.82%	0.155%
91	20.345	2947	2951	2954	rBV	68077	92917	4.54%	0.386%
92	20.798	3024	3028	3034	rBV	162003	212457	10.39%	0.882%
93	20.962	3051	3056	3059	rBV2	98553	154904	7.58%	0.643%
94	21.009	3059	3064	3067	rBV2	150315	244966	11.98%	1.017%
95	21.098	3076	3079	3085	rVB	153898	184288	9.01%	0.765%
96	21.315	3109	3116	3120	rBV2	1028248	2044466	100.00%	8.490%
97	21.350	3120	3122	3132	rVB	510628	689974	33.75%	2.865%
98	22.915	3383	3388	3393	rBV	373648	851877	41.67%	3.538%
99	23.468	3477	3482	3487	rBV	504487	988500	48.35%	4.105%
100	23.621	3503	3508	3515	rBV	441712	856036	41.87%	3.555%

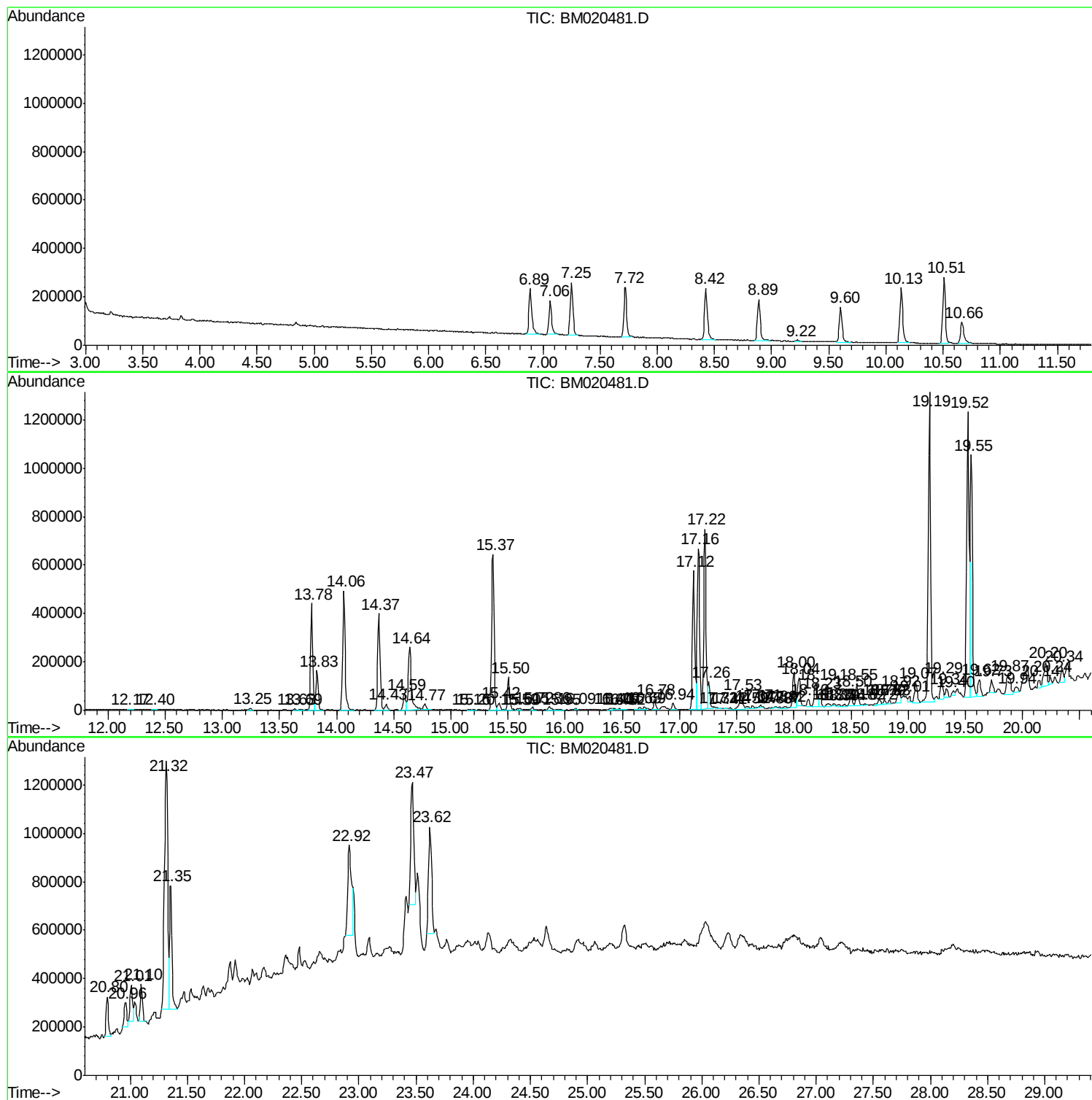
Sum of corrected areas: 24079627

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



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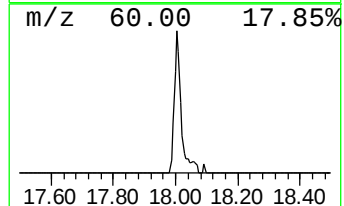
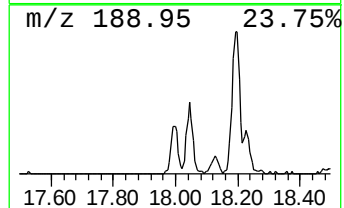
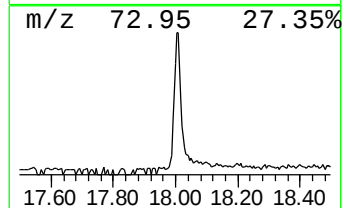
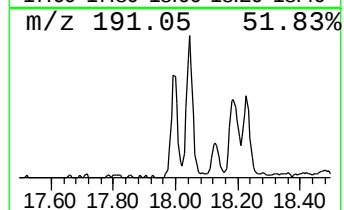
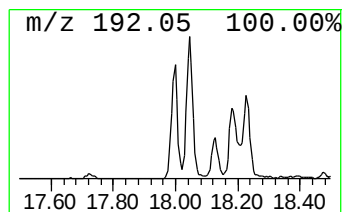
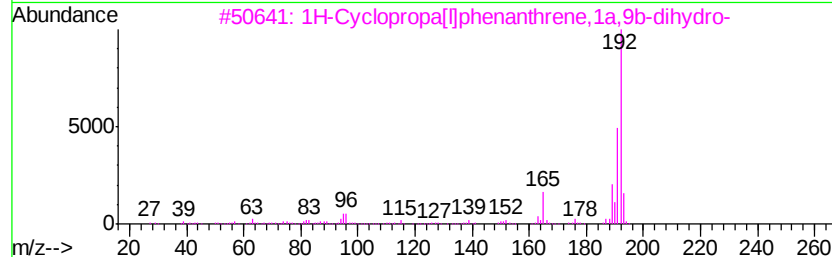
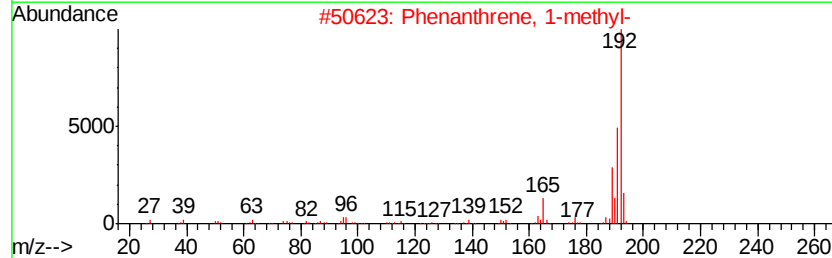
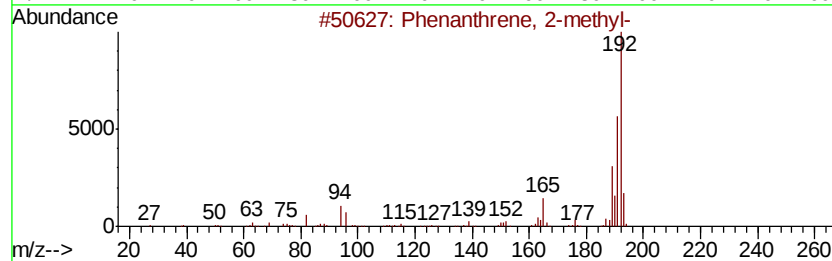
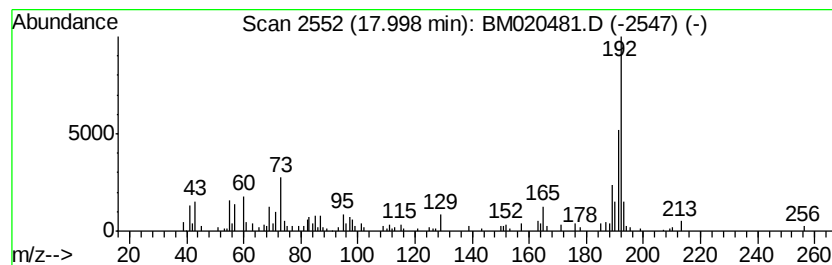
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.00	5.77 ng/ul	240179	Phenanthrene-d10	17.12		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96	
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96	
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93	
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	



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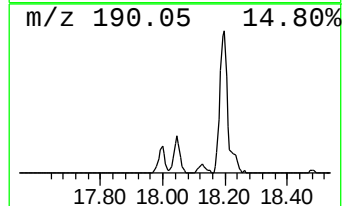
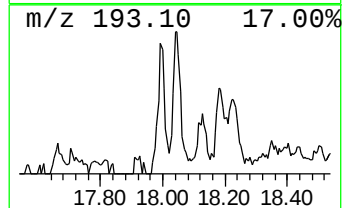
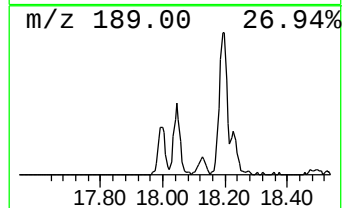
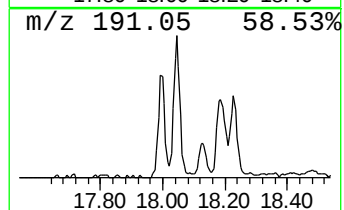
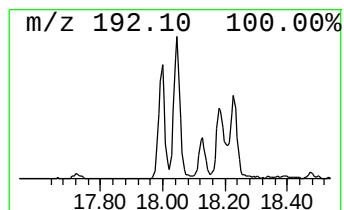
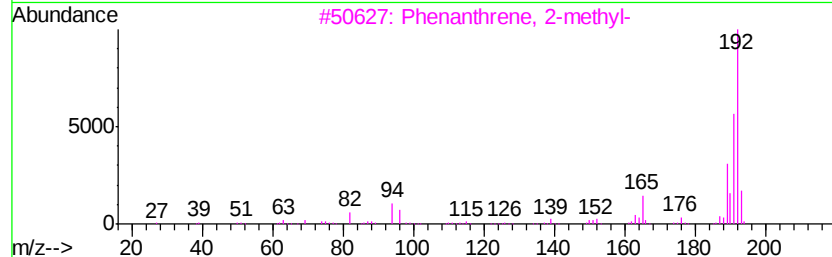
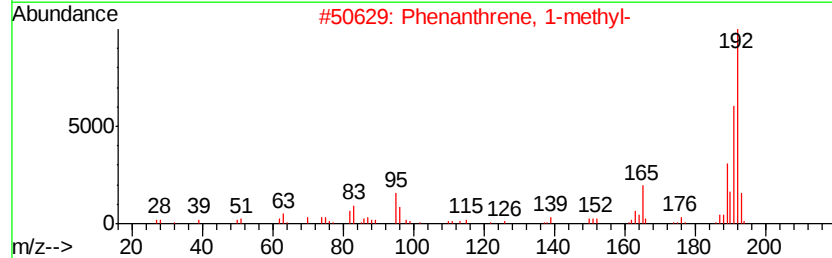
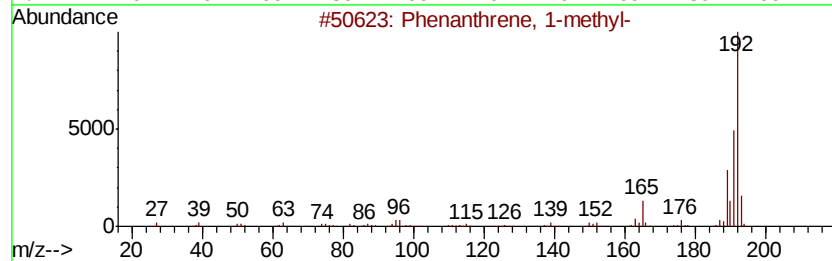
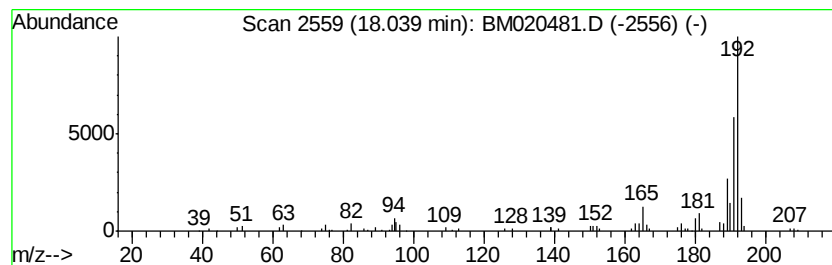
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.14 ng/ul	172256	Phenanthrene-d10	17.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94	
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93	
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93	



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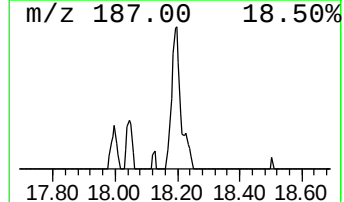
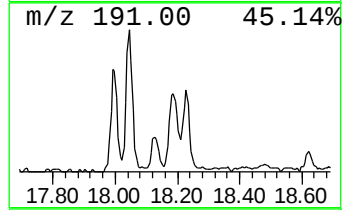
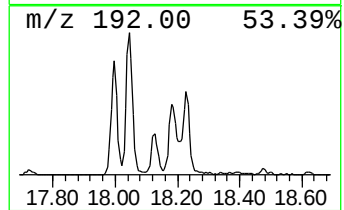
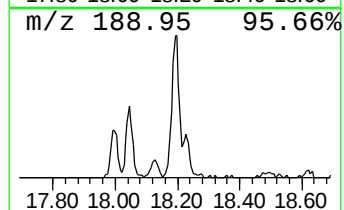
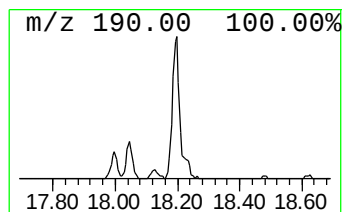
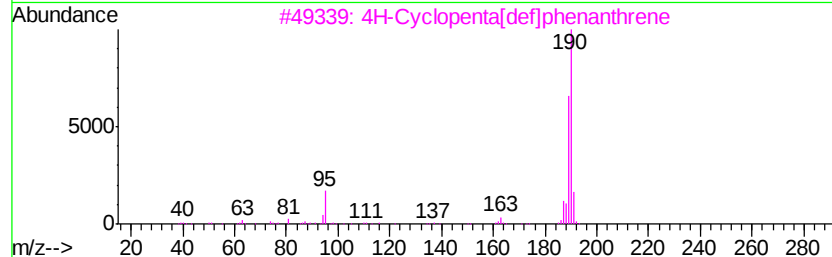
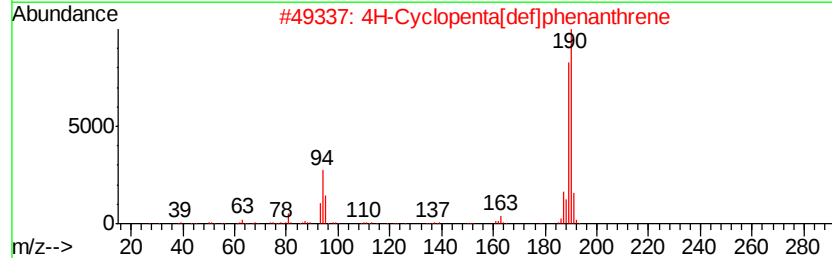
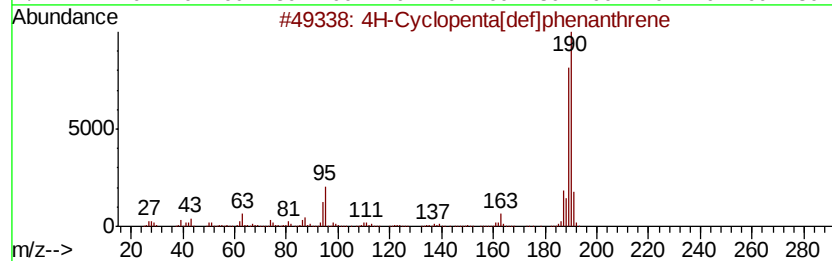
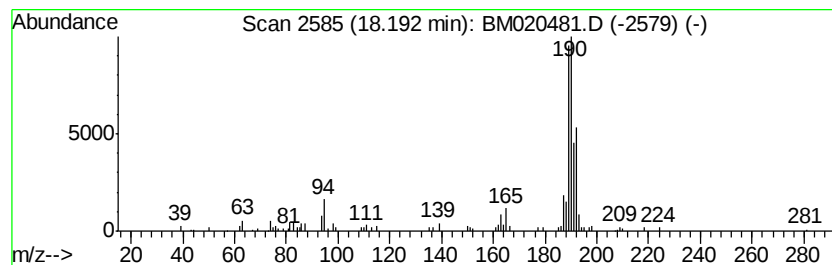
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.43 ng/ul	184331	Phenanthrene-d10	17.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4		Methyl diselenide	190	C2H6Se2	007101-31-7	41
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40



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Data File : BM020481.D
Acq On : 22 May 2019 04:05
Operator : JU/SJ
Sample : K2923-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

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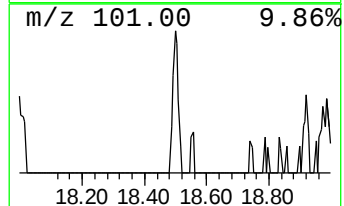
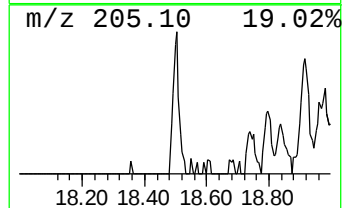
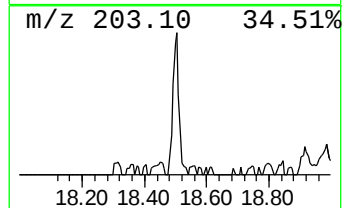
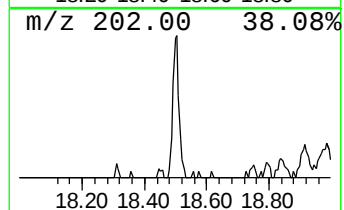
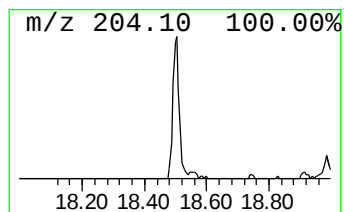
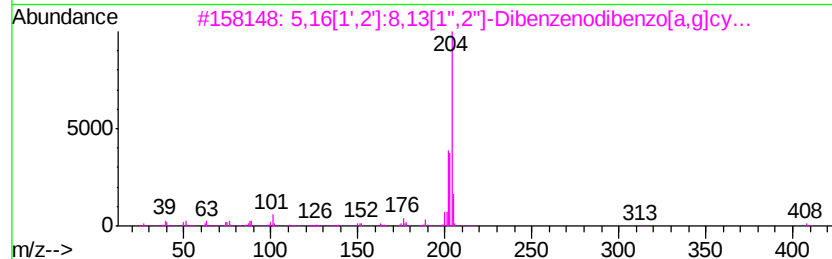
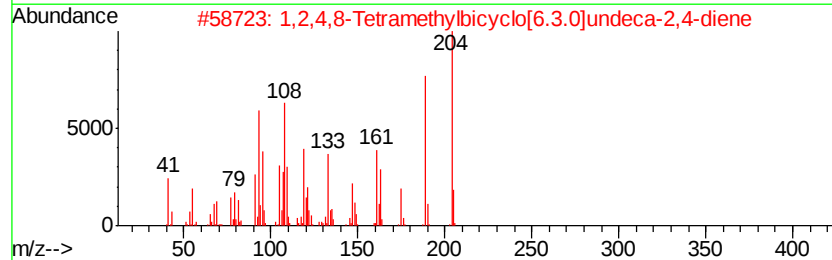
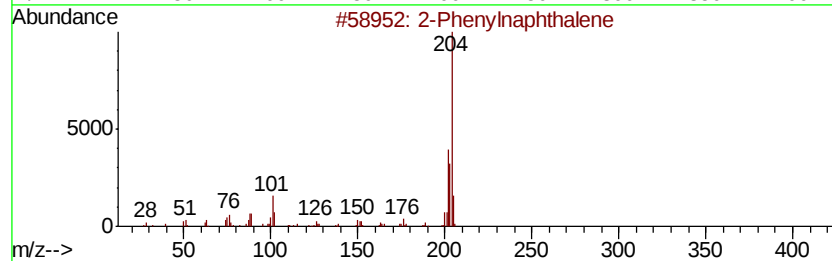
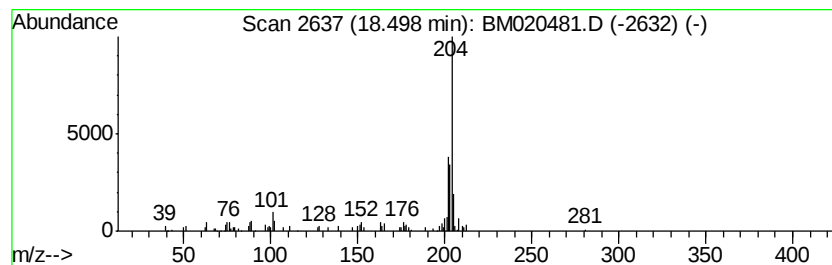
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.29 ng/ul	95423	Phenanthrene-d10	17.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	91	
2	1,2,4,8-Tetramethylbicyclo[6.3.0]	204	C15H24	137235-51-9	86	
3	5,16[1',2'] : 8,13[1',2']-Dibenz...	408	C32H24	005672-97-9	86	
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	80	
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72	



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Misc :
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ClientSampleId :
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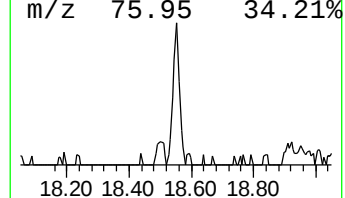
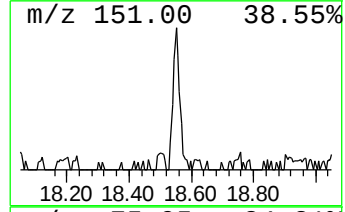
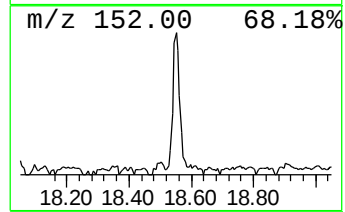
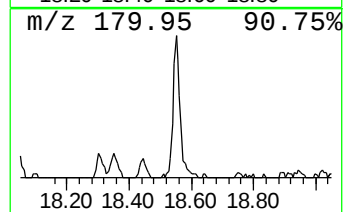
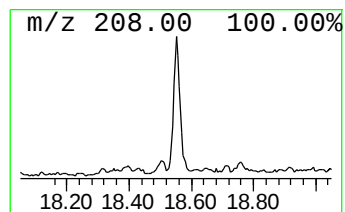
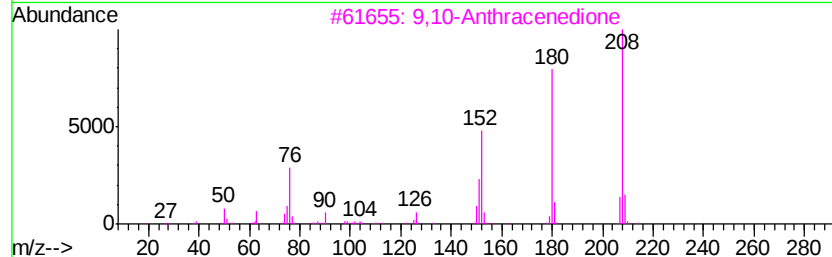
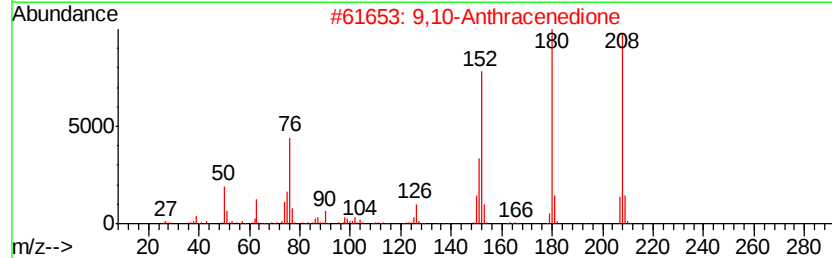
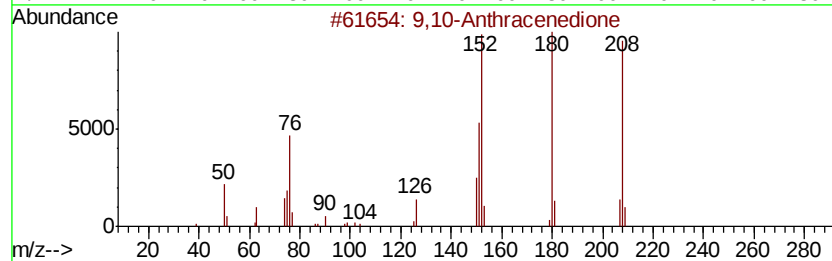
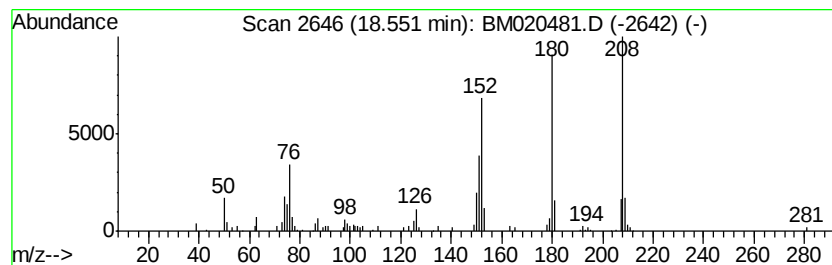
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.55	3.17 ng/ul	131814	Phenanthrene-d10		17.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione			208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione			208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione			208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one			180	C13H8O	000486-25-9	91
5	9H-Fluoren-9-one			180	C13H8O	000486-25-9	83



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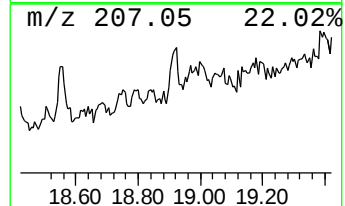
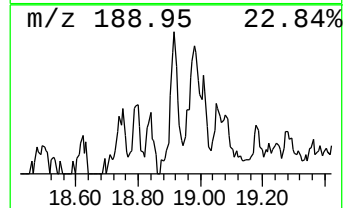
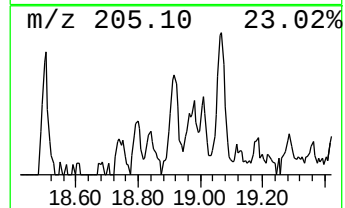
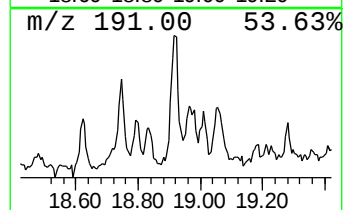
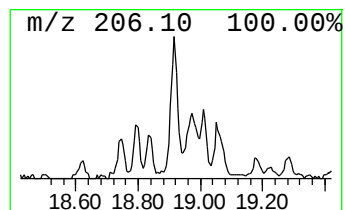
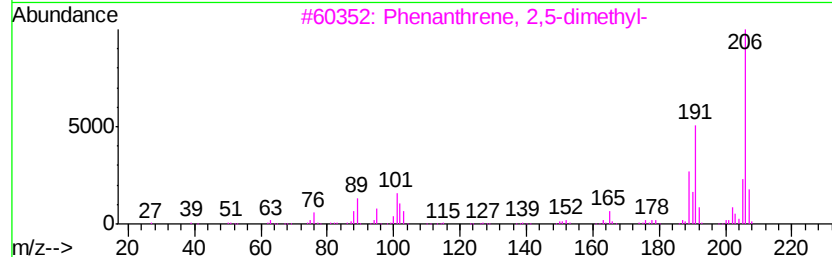
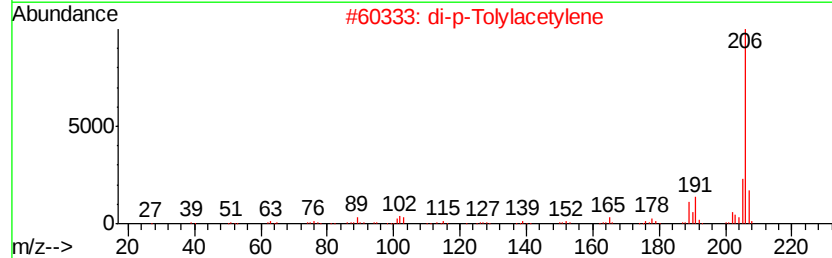
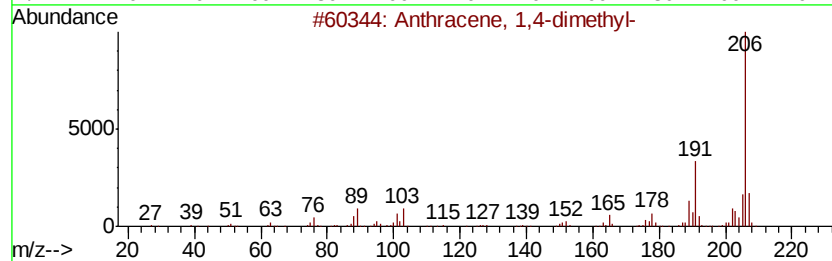
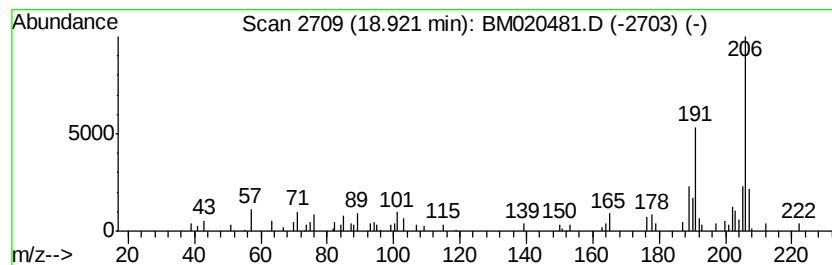
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Anthracene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.22 ng/ul	92200	Phenanthrene-d10	17.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	81
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	81



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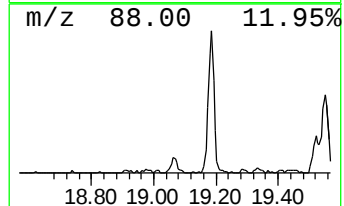
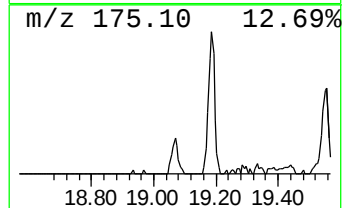
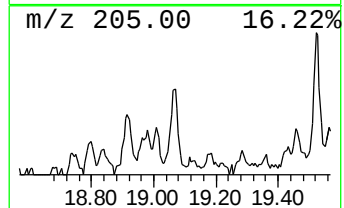
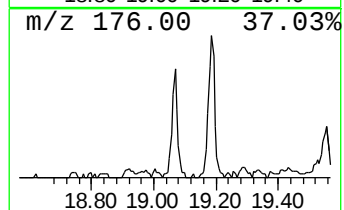
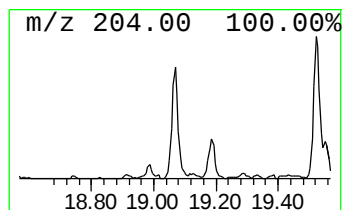
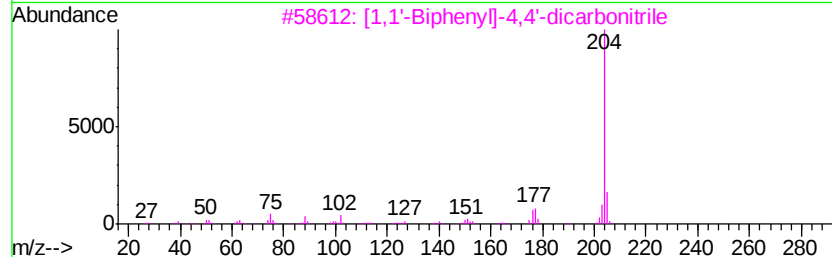
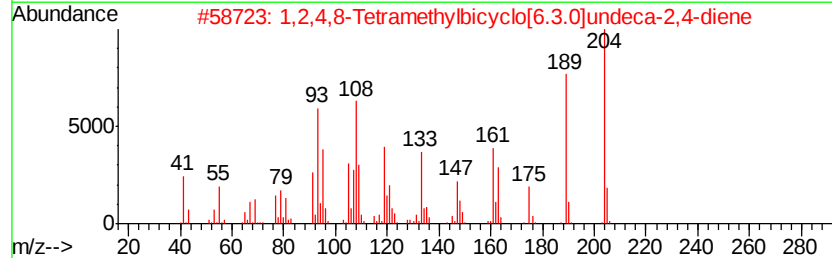
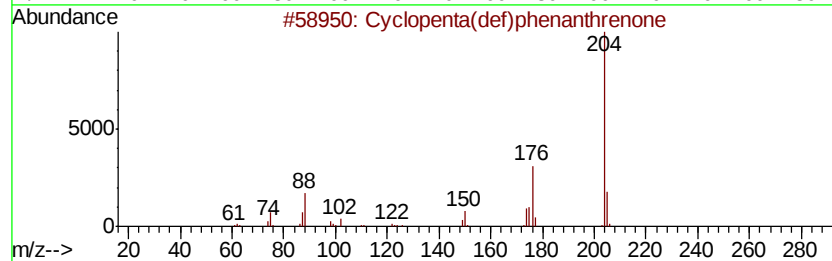
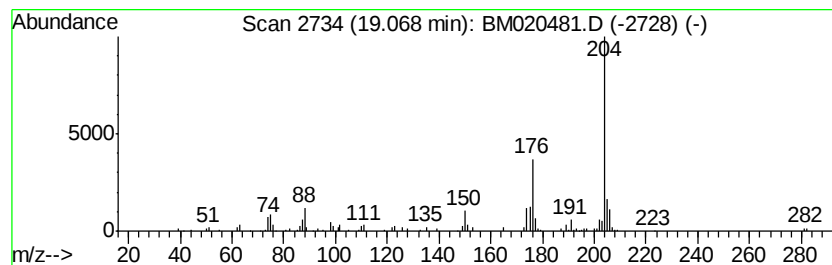
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	3.15 ng/ul	131010	Phenanthrene-d10	17.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	59
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53



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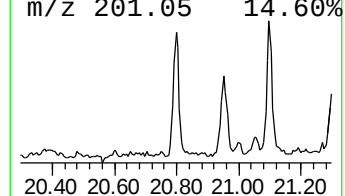
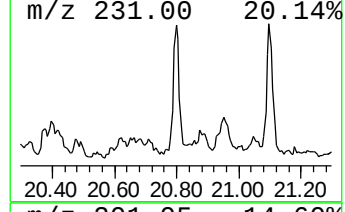
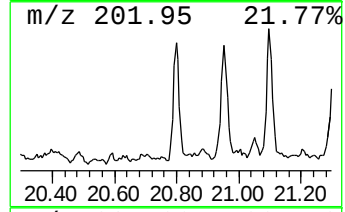
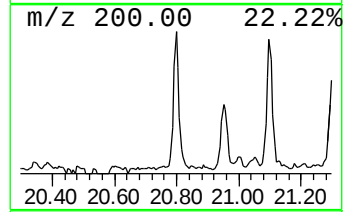
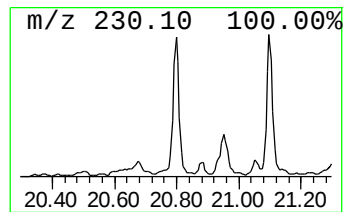
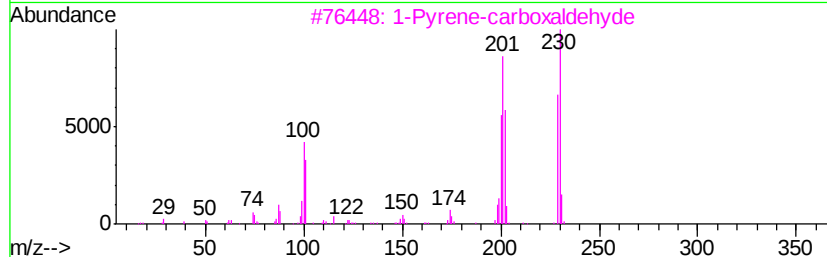
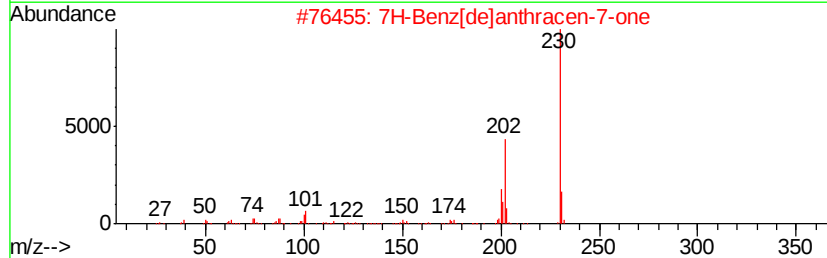
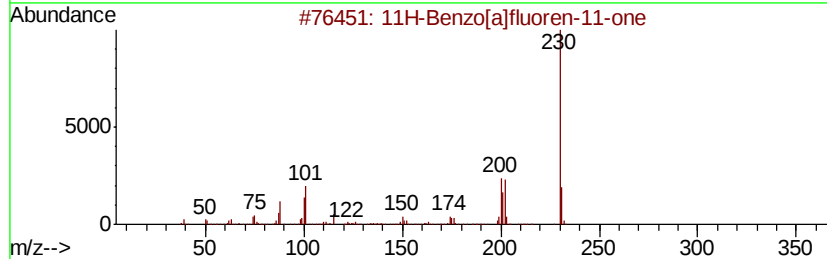
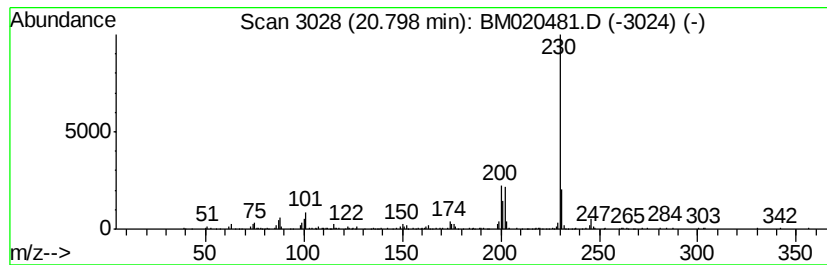
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.08 ng/ul	212457	Chrysene-d12	21.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	83
4		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64



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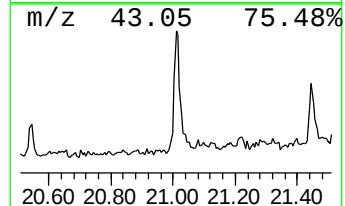
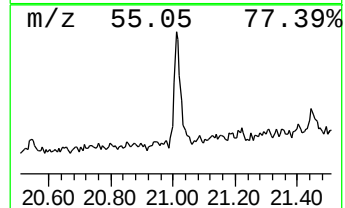
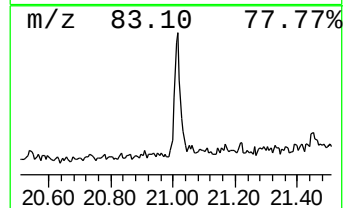
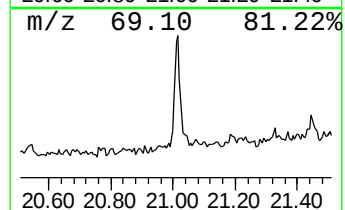
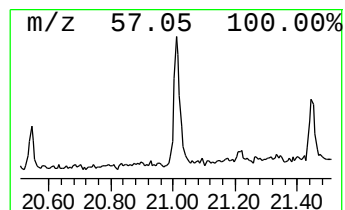
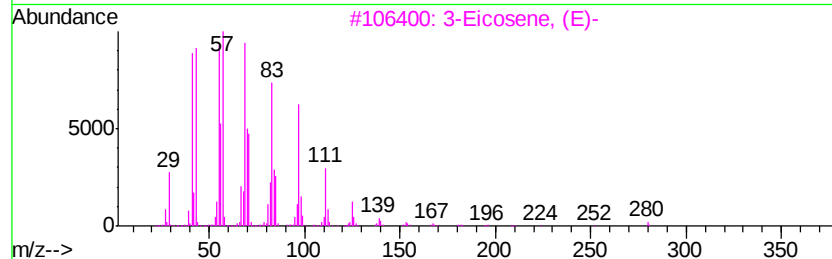
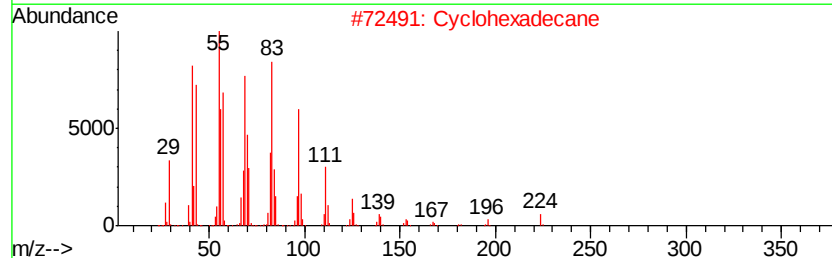
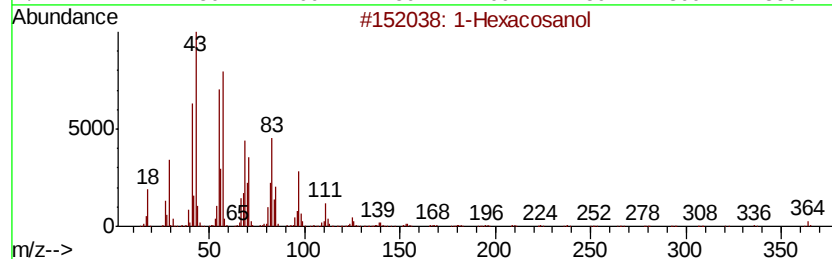
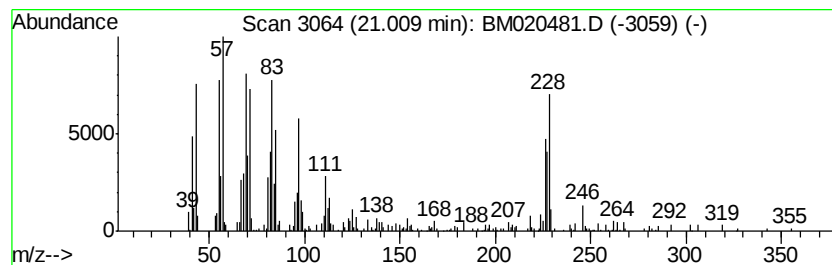
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1-Hexacosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.40 ng/ul	244966	Chrysene-d12	21.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosanol		382	C26H54O	000506-52-5	60
2	Cyclohexadecane		224	C16H32	000295-65-8	53
3	3-Eicosene, (E)-		280	C20H40	074685-33-9	53
4	1-Hexadecanol		242	C16H34O	036653-82-4	49
5	Isoheptadecanol		256	C17H36O	057289-07-3	49



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TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Phenanthrene, 1-m...	18.04	4.1	ng/ul	172256	4	17.12	831927	20.0
4H-Cyclopenta[def...	18.19	4.4	ng/ul	184331	4	17.12	831927	20.0
2-Phenylnaphthalene	18.50	2.3	ng/ul	95423	4	17.12	831927	20.0
9,10-Anthracenedione	18.55	3.2	ng/ul	131814	4	17.12	831927	20.0
Anthracene, 1,4-d...	18.92	2.2	ng/ul	92200	4	17.12	831927	20.0
Cyclopenta(def)ph...	19.07	3.1	ng/ul	131010	4	17.12	831927	20.0
11H-Benzo[a]fluor...	20.80	2.1	ng/ul	212457	5	21.32	2044470	20.0
1-Hexacosanol	21.01	2.4	ng/ul	244966	5	21.32	2044470	20.0