

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023241.D
 Acq On : 18 Oct 2019 04:41
 Operator : JU
 Sample : K5262-18DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB79DL

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-BM101419MA.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	3.681	115	118	123	rVB	48690	62206	0.47%	0.052%
2	3.899	151	155	164	rVB	80638	125772	0.95%	0.106%
3	6.834	647	654	664	rVB2	100171	205844	1.56%	0.173%
4	6.998	677	682	689	rBV	63437	112736	0.85%	0.095%
5	7.192	707	715	721	rBV	100629	165010	1.25%	0.139%
6	7.657	788	794	805	rVB	1612918	2576053	19.46%	2.167%
7	8.363	908	914	922	rBV2	108528	187808	1.42%	0.158%
8	8.763	976	982	985	rVV7	21321	52809	0.40%	0.044%
9	8.804	985	989	995	rVB	84073	142521	1.08%	0.120%
10	9.528	1105	1112	1118	rBV3	67043	124537	0.94%	0.105%
11	9.639	1126	1131	1140	rVB3	25057	50521	0.38%	0.042%
12	10.063	1196	1203	1211	rBB	120494	212694	1.61%	0.179%
13	10.439	1259	1267	1273	rVV	2119658	3585101	27.09%	3.015%
14	10.486	1273	1275	1282	rVV	97546	148943	1.13%	0.125%
15	10.575	1282	1290	1299	rVV	56926	107737	0.81%	0.091%
16	12.110	1546	1551	1556	rBV	62206	98681	0.75%	0.083%
17	12.333	1583	1589	1595	rVB2	51311	87518	0.66%	0.074%
18	13.627	1800	1809	1814	rBV2	62390	114869	0.87%	0.097%
19	13.680	1814	1818	1821	rVV2	35169	55973	0.42%	0.047%
20	13.721	1821	1825	1829	rVV	221022	302152	2.28%	0.254%
21	13.769	1829	1833	1838	rVB	90421	124733	0.94%	0.105%
22	13.998	1865	1872	1874	rBV	249955	400798	3.03%	0.337%
23	14.021	1874	1876	1882	rVB	191638	275755	2.08%	0.232%
24	14.304	1917	1924	1931	rVV	3235922	4939228	37.32%	4.154%
25	14.368	1931	1935	1943	rVV	263017	388868	2.94%	0.327%
26	14.504	1951	1958	1967	rBV4	58879	129051	0.98%	0.109%
27	14.704	1987	1992	2001	rVB	225698	366974	2.77%	0.309%
28	14.939	2024	2032	2036	rBV4	31868	62503	0.47%	0.053%
29	15.304	2088	2094	2098	rBV	343354	495359	3.74%	0.417%
30	15.357	2098	2103	2109	rVV2	335054	489020	3.69%	0.411%
31	15.415	2109	2113	2117	rVV3	34529	53031	0.40%	0.045%
32	15.521	2127	2131	2134	rVV3	43749	59049	0.45%	0.050%
33	15.657	2149	2154	2164	rVB	107308	181090	1.37%	0.152%
34	15.798	2173	2178	2186	rVB	100901	218633	1.65%	0.184%

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35	15.892	2189	2194	2202	rVB4	35835	64886	0.49%	0.055%
36	16.027	2210	2217	2225	rBV8	46159	105453	0.80%	0.089%
37	16.339	2263	2270	2271	rBV5	50037	78494	0.59%	0.066%
38	16.362	2271	2274	2279	rVV2	73401	122906	0.93%	0.103%
39	16.410	2279	2282	2288	rVB2	49502	74978	0.57%	0.063%
40	16.515	2295	2300	2305	rVB4	32043	60768	0.46%	0.051%
41	16.598	2305	2314	2317	rBV4	68607	139406	1.05%	0.117%
42	16.639	2317	2321	2324	rVV2	62798	92570	0.70%	0.078%
43	16.704	2327	2332	2341	rVB	243070	368166	2.78%	0.310%
44	16.792	2342	2347	2353	rBV3	79034	170012	1.28%	0.143%
45	16.868	2355	2360	2365	rVB	220731	319033	2.41%	0.268%
46	17.051	2385	2391	2395	rBV2	4116103	6059283	45.78%	5.096%
47	17.092	2395	2398	2404	rVV	4596519	6042216	45.65%	5.082%
48	17.151	2404	2408	2410	rVV2	444122	639054	4.83%	0.537%
49	17.180	2410	2413	2419	rVV	918615	1288994	9.74%	1.084%
50	17.239	2419	2423	2430	rVB3	96967	175780	1.33%	0.148%
51	17.451	2450	2459	2464	rBV2	423520	741740	5.60%	0.624%
52	17.580	2477	2481	2484	rBV2	62942	85664	0.65%	0.072%
53	17.633	2487	2490	2496	rVB4	82259	118136	0.89%	0.099%
54	17.768	2511	2513	2519	rVB2	38582	58908	0.45%	0.050%
55	17.851	2523	2527	2531	rBV3	37144	60292	0.46%	0.051%
56	17.927	2535	2540	2544	rVV	435118	605294	4.57%	0.509%
57	17.974	2544	2548	2556	rVB	659803	919554	6.95%	0.773%
58	18.057	2557	2562	2567	rBV	213616	315860	2.39%	0.266%
59	18.121	2567	2573	2577	rBV2	702756	1249508	9.44%	1.051%
60	18.156	2577	2579	2584	rVB	308806	376368	2.84%	0.317%
61	18.227	2588	2591	2594	rBV3	42817	60468	0.46%	0.051%
62	18.274	2596	2599	2603	rVV4	52955	58164	0.44%	0.049%
63	18.433	2621	2626	2629	rBV	390314	536457	4.05%	0.451%
64	18.468	2629	2632	2639	rVB	408595	519635	3.93%	0.437%
65	18.562	2645	2648	2654	rVB2	45339	65755	0.50%	0.055%
66	18.680	2665	2668	2673	rVB2	108996	138075	1.04%	0.116%
67	18.733	2674	2677	2680	rBV	90072	97132	0.73%	0.082%
68	18.768	2680	2683	2688	rVB2	106552	142239	1.07%	0.120%
69	18.851	2692	2697	2703	rBV2	297663	515092	3.89%	0.433%
70	18.915	2703	2708	2711	rBV3	139922	245418	1.85%	0.206%
71	18.986	2716	2720	2729	rVB2	340857	563671	4.26%	0.474%

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72	19.115	2736	2742	2748	rVB	7745976	10093211	76.26%	8.489%
73	19.186	2750	2754	2756	rBV2	116298	174820	1.32%	0.147%
74	19.262	2764	2767	2770	rVB2	81229	101077	0.76%	0.085%
75	19.356	2779	2783	2787	rVB	214569	281638	2.13%	0.237%
76	19.474	2793	2803	2812	rBV	6376376	10757434	81.28%	9.048%
77	19.551	2812	2816	2822	rVB2	237682	394994	2.98%	0.332%
78	19.656	2830	2834	2839	rBV	340303	469218	3.55%	0.395%
79	19.715	2840	2844	2850	rVB	374061	574608	4.34%	0.483%
80	19.809	2854	2860	2865	rBV2	347066	883667	6.68%	0.743%
81	19.939	2879	2882	2884	rBV3	259755	362498	2.74%	0.305%
82	19.974	2885	2888	2893	rVB	704137	924566	6.99%	0.778%
83	20.074	2902	2905	2909	rBV	421148	514009	3.88%	0.432%
84	20.133	2910	2915	2919	rVB2	505996	806015	6.09%	0.678%
85	20.274	2935	2939	2943	rBV	286299	370608	2.80%	0.312%
86	20.315	2943	2946	2952	rBV2	306749	478817	3.62%	0.403%
87	20.721	3011	3015	3022	rVB	710979	977911	7.39%	0.822%
88	20.886	3038	3043	3047	rBV2	609254	1034975	7.82%	0.870%
89	20.927	3047	3050	3053	rVV	551460	651198	4.92%	0.548%
90	20.962	3053	3056	3061	rVV2	599797	1218514	9.21%	1.025%
91	21.015	3062	3065	3074	rVB	762449	1157351	8.74%	0.973%
92	21.239	3096	3103	3107	rBV2	6847835	13234760	100.00%	11.131%
93	21.274	3107	3109	3117	rVB	3390780	4274785	32.30%	3.595%
94	21.392	3126	3129	3133	rBV	501584	652282	4.93%	0.549%
95	21.544	3152	3155	3161	rBV2	545492	829907	6.27%	0.698%
96	22.791	3361	3367	3372	rBV	3587390	8114638	61.31%	6.825%
97	23.262	3442	3447	3453	rBV	1758571	3128103	23.64%	2.631%
98	23.356	3458	3463	3468	rVB	2750773	4549780	34.38%	3.827%
99	23.450	3473	3479	3484	rBV	3819719	6537192	49.39%	5.498%
100	25.668	3850	3856	3867	rVB2	1957283	5369034	40.57%	4.516%

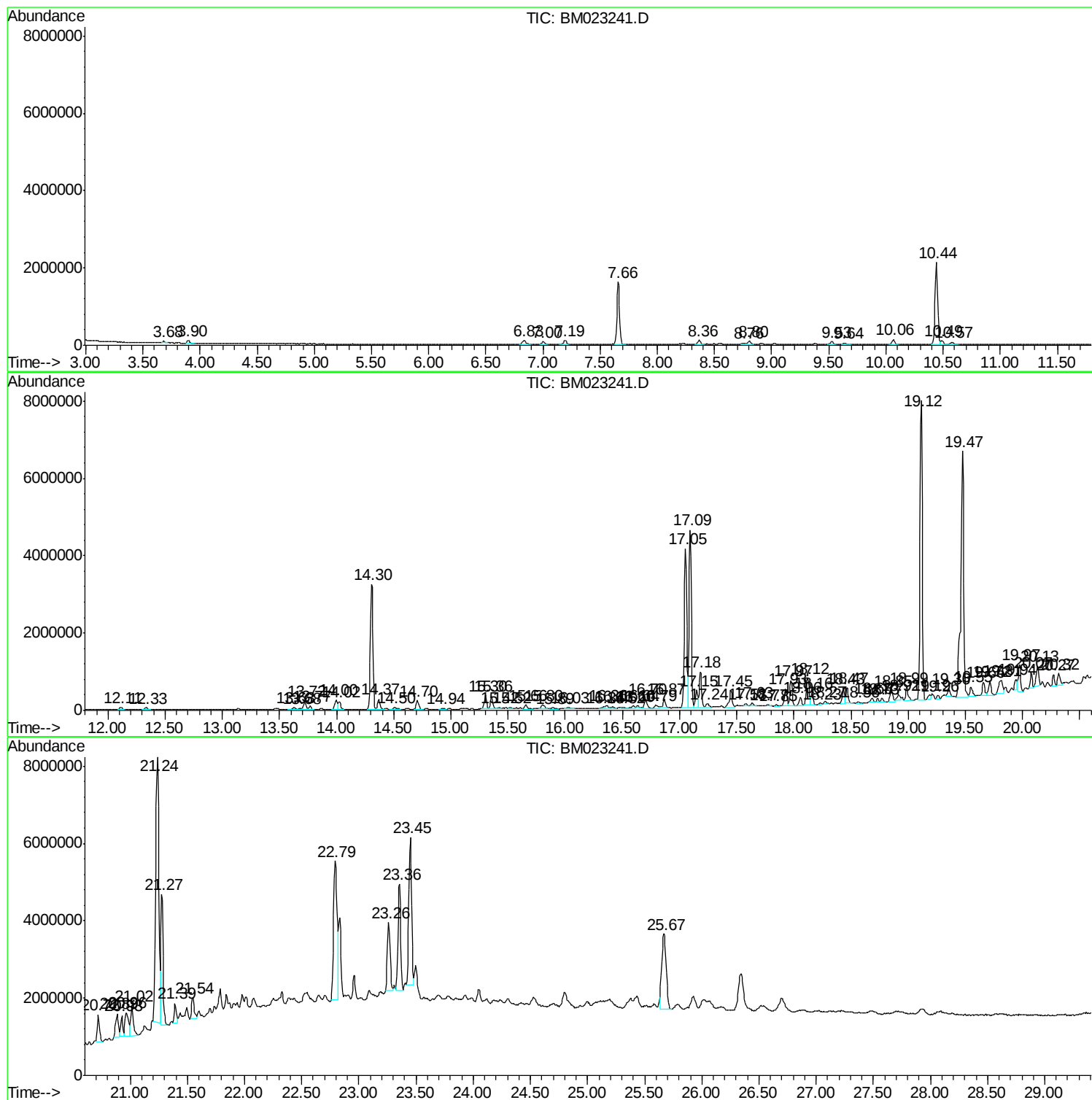
Sum of corrected areas: 118896616

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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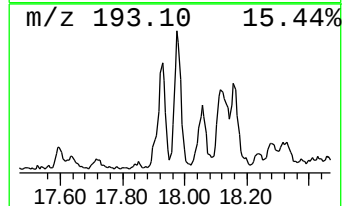
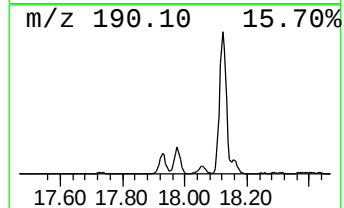
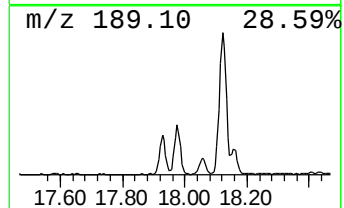
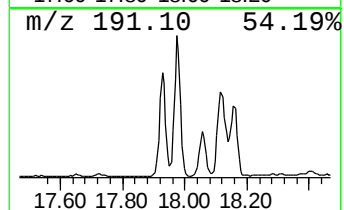
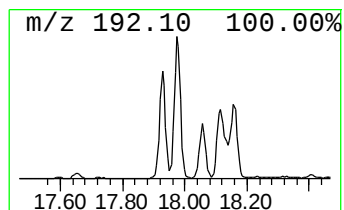
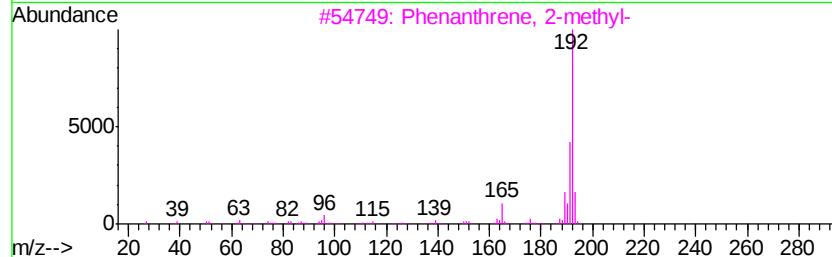
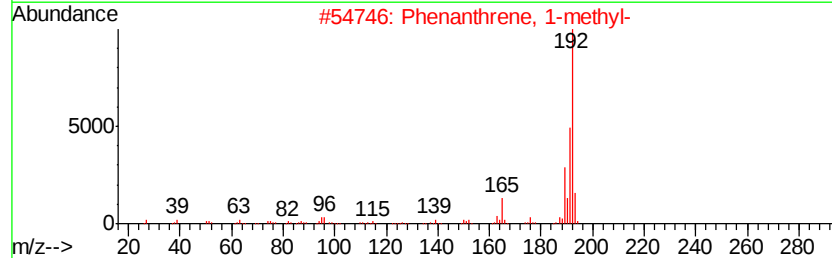
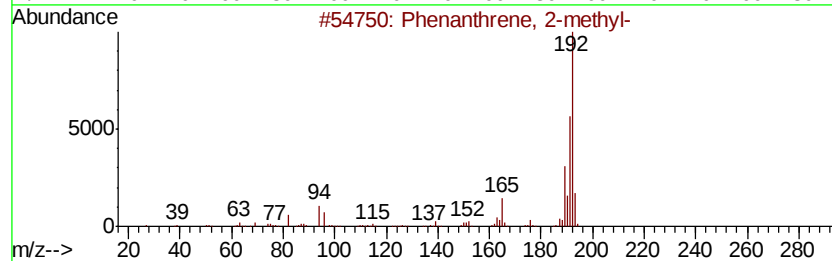
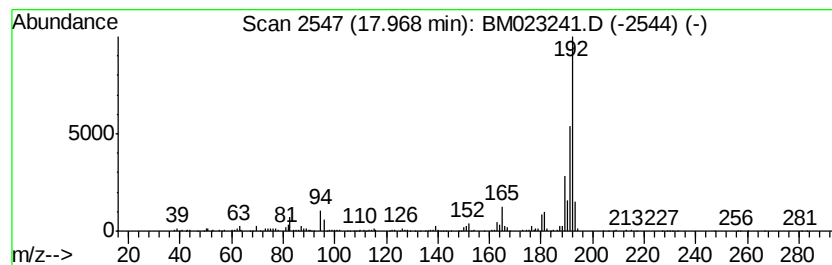
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	3.04 ng/ul	919554	Phenanthrene-d10	17.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



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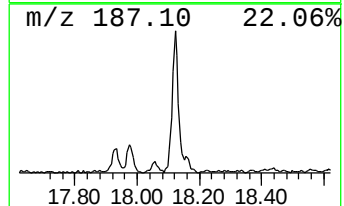
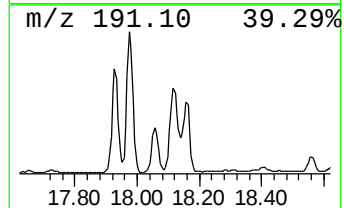
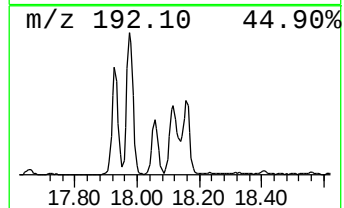
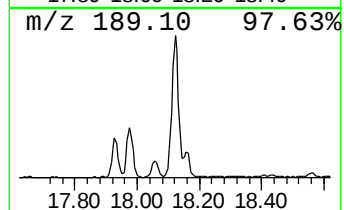
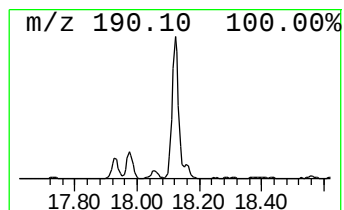
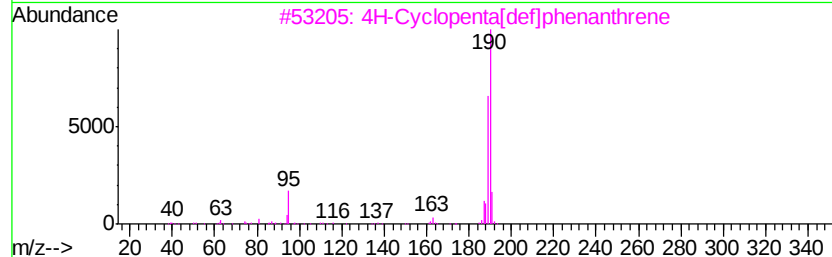
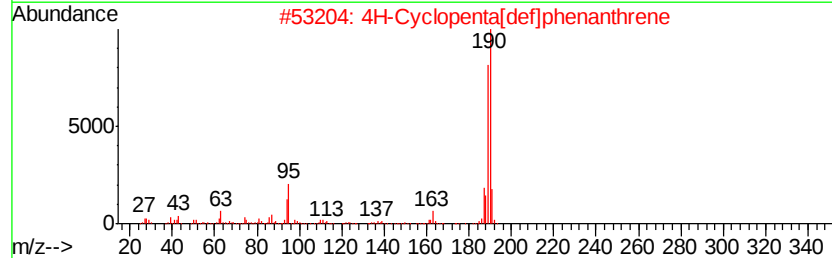
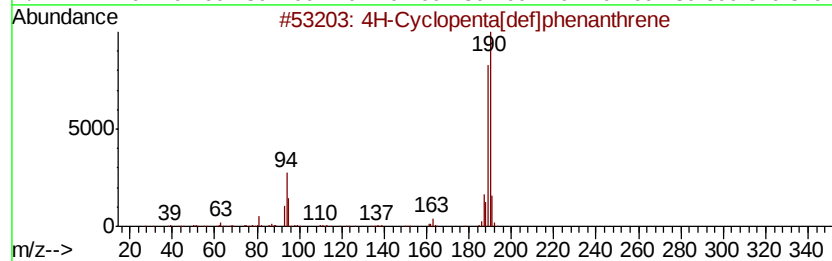
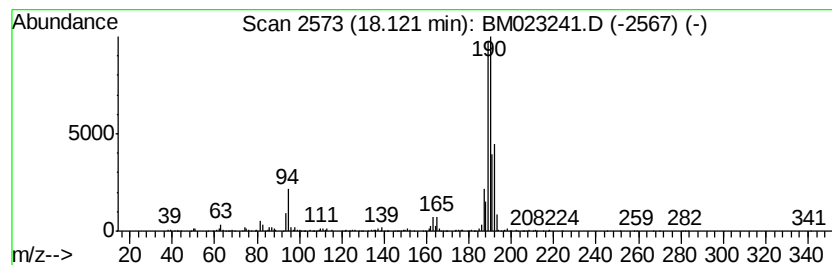
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.12	4.12 ng/ul	1249510	Phenanthrene-d10		17.05	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	53
5		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 2-m...	17.97	3.0	ng/ul	919554	4	17.05	6059280	20.0
4H-Cyclopenta[def...	18.12	4.1	ng/ul	1249510	4	17.05	6059280	20.0