

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023177.D
 Acq On : 15 Oct 2019 21:34
 Operator : JU
 Sample : K5202-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB0

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	3.204	34	37	47	rVB	72455	108039	1.07%	0.076%
2	3.716	120	124	129	rVB	45878	60445	0.60%	0.043%
3	3.846	141	146	151	rVB	41160	62522	0.62%	0.044%
4	6.857	650	658	671	rBV	1262733	2234276	22.21%	1.576%
5	7.028	680	687	697	rBV	918285	1494070	14.85%	1.054%
6	7.222	711	720	728	rBV	1296928	2067377	20.55%	1.458%
7	7.686	792	799	808	rVV	1792104	2835746	28.19%	2.000%
8	8.386	911	918	929	rBV	1616510	2588001	25.72%	1.826%
9	8.833	984	994	1002	rBV	1166542	1925821	19.14%	1.358%
10	9.551	1109	1116	1125	rBV	833235	1359360	13.51%	0.959%
11	10.086	1197	1207	1216	rBV	1597204	2686270	26.70%	1.895%
12	10.469	1264	1272	1279	rBV	2527110	4246306	42.21%	2.995%
13	10.598	1286	1294	1306	rBV	1167095	2025903	20.14%	1.429%
14	12.063	1537	1543	1550	rVB2	33182	57894	0.58%	0.041%
15	13.251	1739	1745	1751	rBV2	106513	176892	1.76%	0.125%
16	13.657	1805	1814	1818	rBV6	54045	89483	0.89%	0.063%
17	13.745	1818	1829	1833	rVV	3015349	4164537	41.40%	2.938%
18	13.792	1833	1837	1845	rVV	1528079	2036543	20.24%	1.437%
19	14.015	1868	1875	1888	rBV	3348939	5186414	51.55%	3.658%
20	14.327	1921	1928	1935	rVV2	3963910	5920757	58.85%	4.176%
21	14.392	1935	1939	1947	rVB2	123755	183774	1.83%	0.130%
22	14.510	1953	1959	1971	rVV	777887	1148104	11.41%	0.810%
23	14.663	1980	1985	1990	rBV2	50848	73610	0.73%	0.052%
24	14.751	1992	2000	2007	rVV2	333604	582677	5.79%	0.411%
25	15.321	2091	2097	2103	rBV	4389839	6259018	62.21%	4.415%
26	15.374	2103	2106	2111	rVV	156476	255398	2.54%	0.180%
27	15.433	2111	2116	2122	rVV	530586	759339	7.55%	0.536%
28	15.562	2131	2138	2145	rVV2	57689	123278	1.23%	0.087%
29	15.674	2154	2157	2167	rVB2	40001	78635	0.78%	0.055%
30	15.821	2178	2182	2189	rVB	43507	82215	0.82%	0.058%
31	16.109	2228	2231	2240	rVB9	38855	72142	0.72%	0.051%
32	16.721	2331	2335	2340	rBV	56878	83695	0.83%	0.059%
33	16.815	2345	2351	2355	rBV4	32129	76996	0.77%	0.054%
34	16.886	2359	2363	2368	rVB	98141	152087	1.51%	0.107%

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35	17.074	2388	2395	2398	rBV	4688191	6969841	69.28%	4.916%
36	17.115	2398	2402	2406	rVB	1959703	2746840	27.30%	1.938%
37	17.168	2406	2411	2416	rBV	4666197	6753188	67.13%	4.764%
38	17.262	2422	2427	2433	rVB2	82032	136659	1.36%	0.096%
39	17.468	2454	2462	2468	rBV	181728	318506	3.17%	0.225%
40	17.598	2481	2484	2489	rBV4	33319	59451	0.59%	0.042%
41	17.780	2512	2515	2523	rVB6	30513	52456	0.52%	0.037%
42	17.868	2526	2530	2537	rBV8	39763	89778	0.89%	0.063%
43	17.945	2538	2543	2547	rVV	186727	271850	2.70%	0.192%
44	17.998	2547	2552	2559	rVV	622655	974040	9.68%	0.687%
45	18.068	2559	2564	2570	rVV2	115898	261983	2.60%	0.185%
46	18.139	2570	2576	2580	rVV2	402249	658106	6.54%	0.464%
47	18.174	2580	2582	2587	rVB	123611	156269	1.55%	0.110%
48	18.450	2624	2629	2631	rBV	176197	253586	2.52%	0.179%
49	18.480	2631	2634	2641	rVB	257041	359003	3.57%	0.253%
50	18.703	2669	2672	2676	rVB	45942	59238	0.59%	0.042%
51	18.750	2677	2680	2683	rBV2	42751	54642	0.54%	0.039%
52	18.862	2694	2699	2705	rBV3	225880	405770	4.03%	0.286%
53	18.939	2706	2712	2719	rVV6	120896	314250	3.12%	0.222%
54	19.003	2719	2723	2732	rVB3	112817	200647	1.99%	0.142%
55	19.133	2734	2745	2752	rBV	4271002	5886398	58.51%	4.152%
56	19.280	2766	2770	2775	rBV	183120	264062	2.62%	0.186%
57	19.462	2795	2801	2804	rBV	6275015	9166541	91.11%	6.466%
58	19.492	2804	2806	2811	rVV	3381421	4064592	40.40%	2.867%
59	19.562	2814	2818	2827	rVB3	148816	283755	2.82%	0.200%
60	19.674	2833	2837	2842	rBV	192636	245949	2.44%	0.173%
61	19.733	2843	2847	2853	rVB	123734	207866	2.07%	0.147%
62	19.821	2856	2862	2868	rBV4	166861	429079	4.27%	0.303%
63	19.956	2881	2885	2887	rBV2	150885	218546	2.17%	0.154%
64	19.992	2887	2891	2897	rVB	539798	781225	7.77%	0.551%
65	20.062	2899	2903	2905	rVV	142238	174883	1.74%	0.123%
66	20.092	2905	2908	2912	rVV	468830	551276	5.48%	0.389%
67	20.150	2913	2918	2922	rVV2	272633	424286	4.22%	0.299%
68	20.192	2922	2925	2929	rVB2	90646	114479	1.14%	0.081%
69	20.233	2930	2932	2937	rVB2	49013	58366	0.58%	0.041%
70	20.286	2938	2941	2945	rVB	133264	163188	1.62%	0.115%
71	20.333	2946	2949	2954	rBV2	132888	199621	1.98%	0.141%

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72	20.556	2983	2987	2990	rBV2	279577	335968	3.34%	0.237%
73	20.739	3015	3018	3025	rVB	164462	272429	2.71%	0.192%
74	20.903	3040	3046	3050	rBV2	298830	493103	4.90%	0.348%
75	20.944	3050	3053	3056	rVV	267532	327946	3.26%	0.231%
76	20.980	3056	3059	3060	rVV	266694	312771	3.11%	0.221%
77	21.015	3060	3065	3077	rVB5	623163	1548894	15.40%	1.093%
78	21.209	3095	3098	3099	rBV	141684	142989	1.42%	0.101%
79	21.256	3099	3106	3110	rVV2	5946003	10060430	100.00%	7.096%
80	21.291	3110	3112	3120	rVB	1749868	2136881	21.24%	1.507%
81	21.409	3128	3132	3136	rBV	304543	381291	3.79%	0.269%
82	21.456	3136	3140	3144	rVV	624322	744278	7.40%	0.525%
83	21.509	3147	3149	3153	rVB2	138062	170552	1.70%	0.120%
84	21.562	3154	3158	3164	rBV2	227505	331357	3.29%	0.234%
85	21.803	3197	3199	3204	rVB	213514	259704	2.58%	0.183%
86	21.891	3211	3214	3219	rVB	687274	782400	7.78%	0.552%
87	21.997	3230	3232	3235	rBV	103528	126212	1.25%	0.089%
88	22.033	3235	3238	3244	rVB4	242546	329331	3.27%	0.232%
89	22.356	3289	3293	3298	rVB	724027	907187	9.02%	0.640%
90	22.809	3365	3370	3375	rBV	1400008	3067577	30.49%	2.164%
91	22.862	3376	3379	3389	rVB3	1229018	2143100	21.30%	1.512%
92	22.980	3395	3399	3404	rVB	247894	375966	3.74%	0.265%
93	23.280	3445	3450	3454	rBV	692884	1276995	12.69%	0.901%
94	23.333	3454	3459	3464	rVV	3188288	5911762	58.76%	4.170%
95	23.374	3464	3466	3473	rVB	1097183	1663162	16.53%	1.173%
96	23.474	3473	3483	3489	rBV	3121885	6978140	69.36%	4.922%
97	24.091	3583	3588	3596	rBV	535688	1047901	10.42%	0.739%
98	24.850	3712	3717	3729	rVB	332142	820284	8.15%	0.579%
99	25.691	3854	3860	3876	rVB3	568912	1992801	19.81%	1.406%
100	26.368	3969	3975	3989	rVB	434383	1238989	12.32%	0.874%

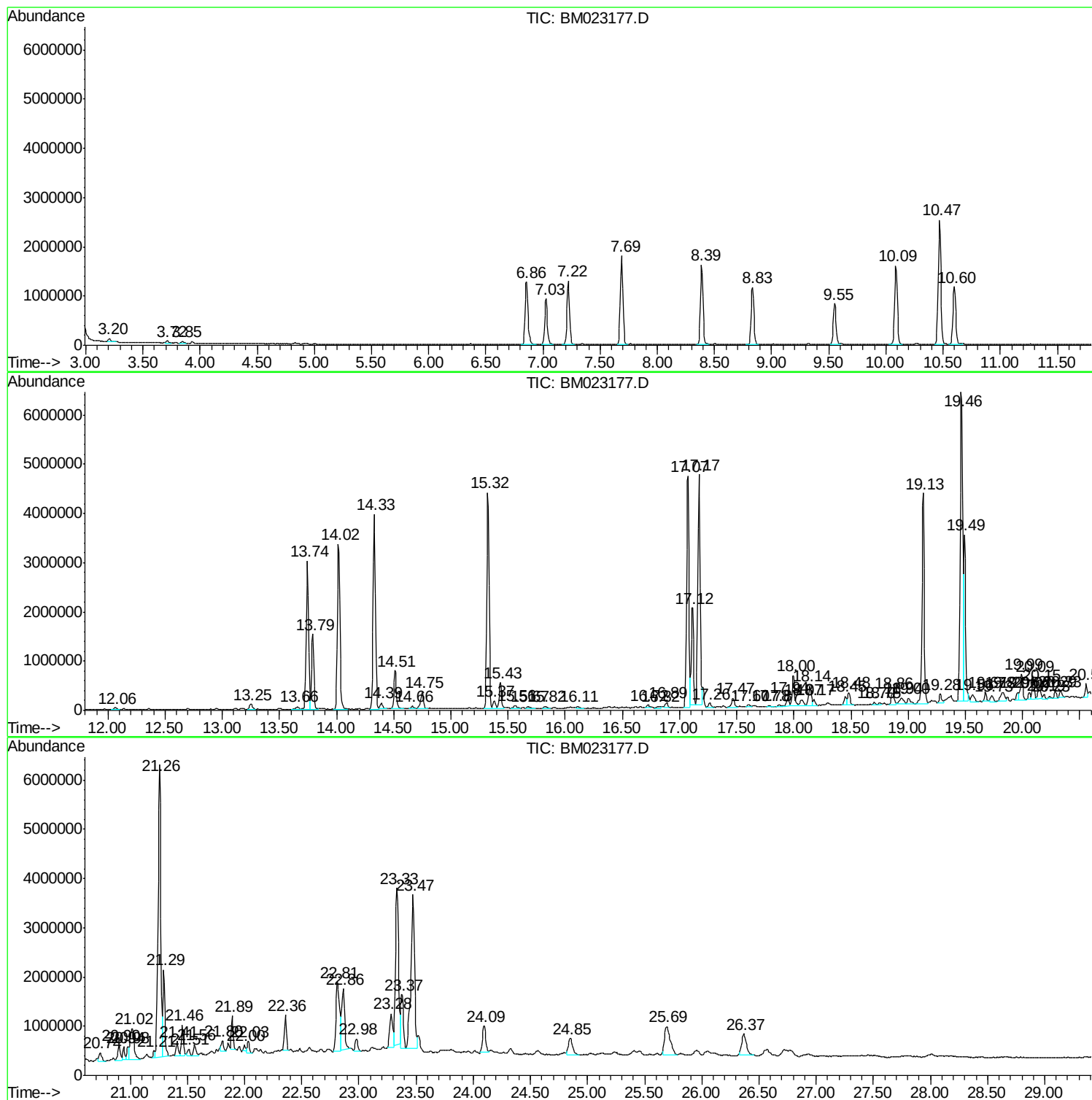
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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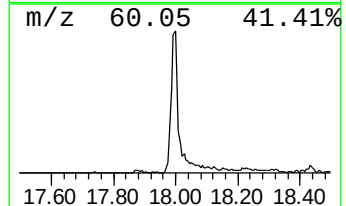
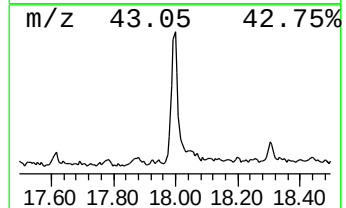
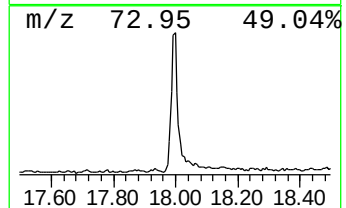
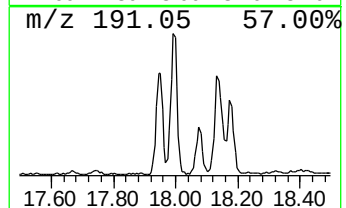
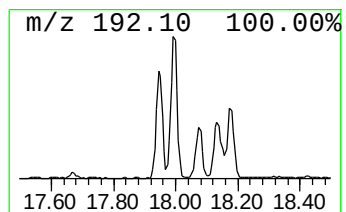
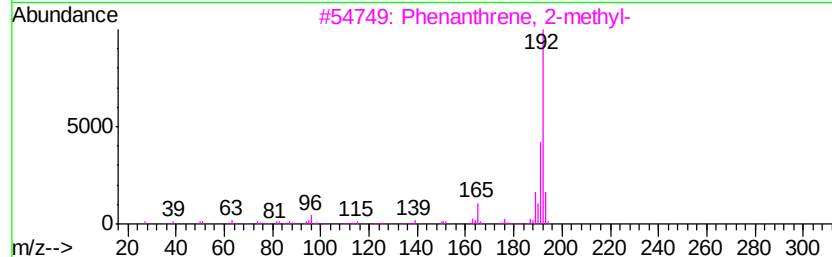
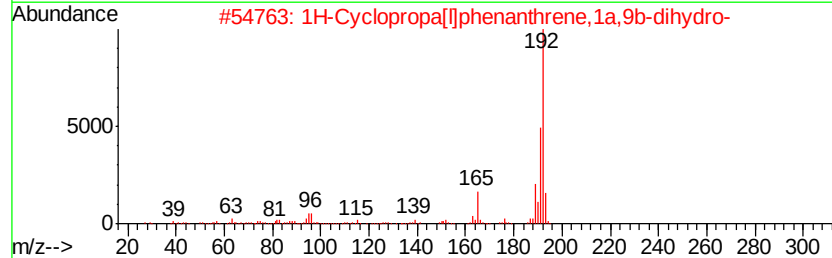
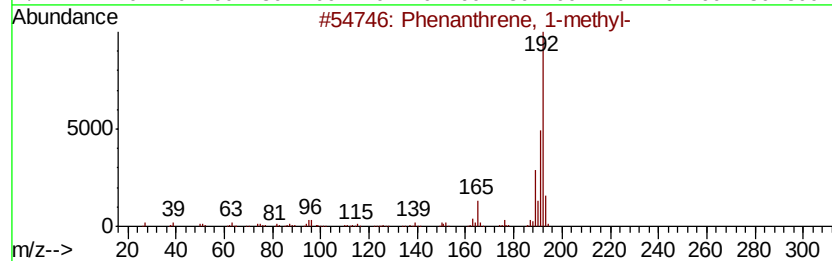
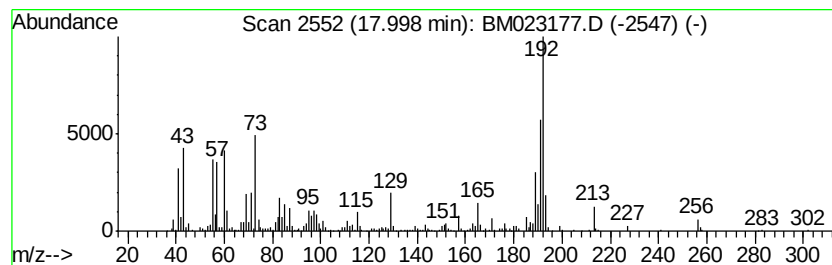
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.00	2.80 ng/ul	974040	Phenanthrene-d10	17.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



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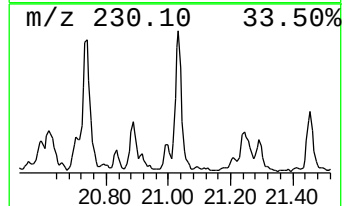
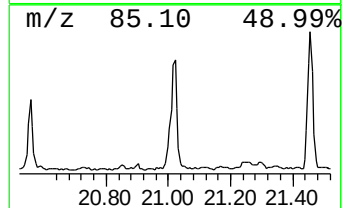
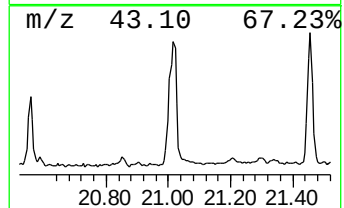
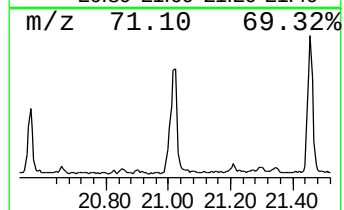
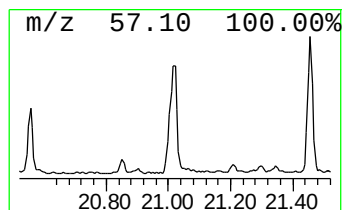
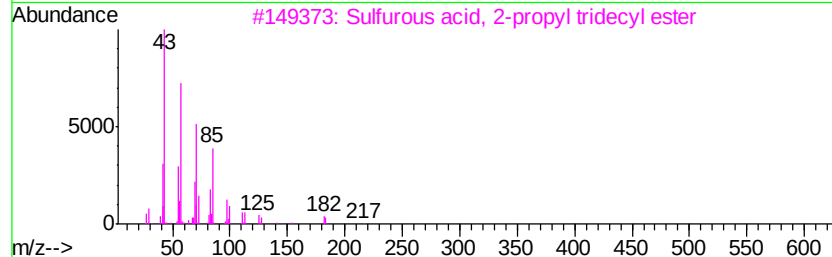
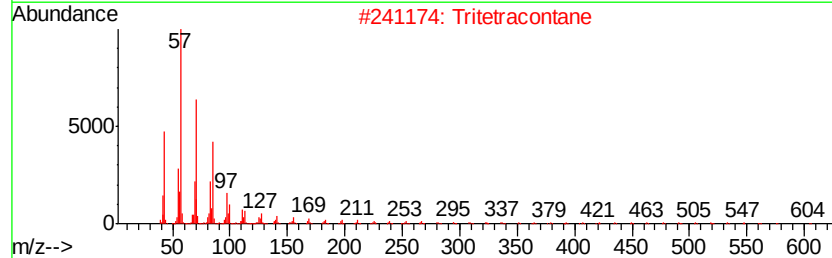
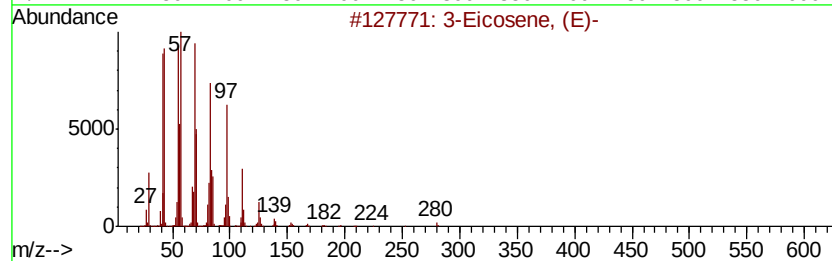
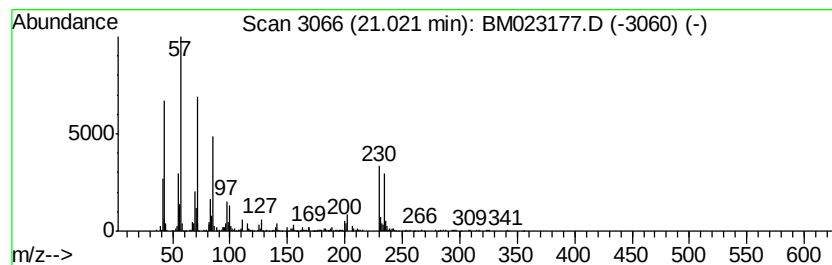
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic21.02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.08 ng/ul	1548890	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Eicosene, (E)-	280	C20H40	074685-33-9	92
2		Tritetracontane	605	C43H88	007098-21-7	68
3		Sulfurous acid, 2-propyl tridecyl...	306	C16H34O3S	1000309-12-4	68
4		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	68
5		Eicosane	282	C20H42	000112-95-8	64



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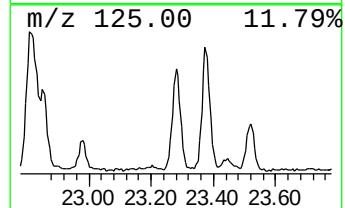
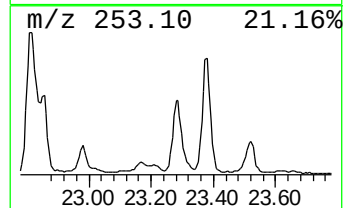
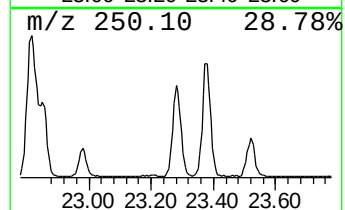
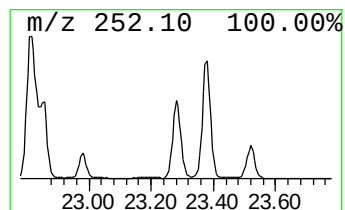
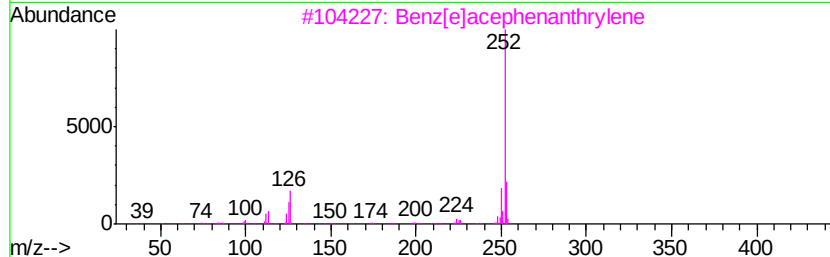
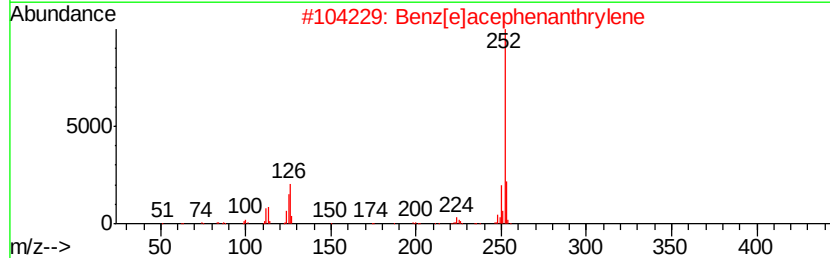
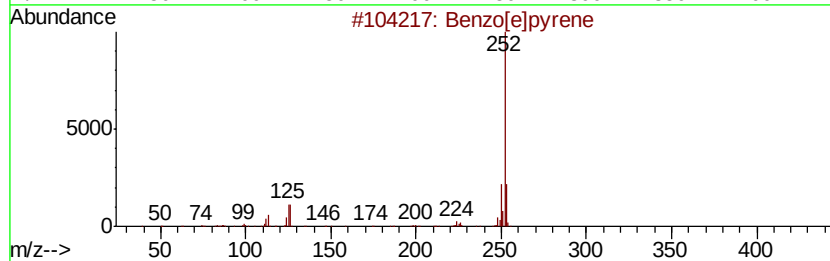
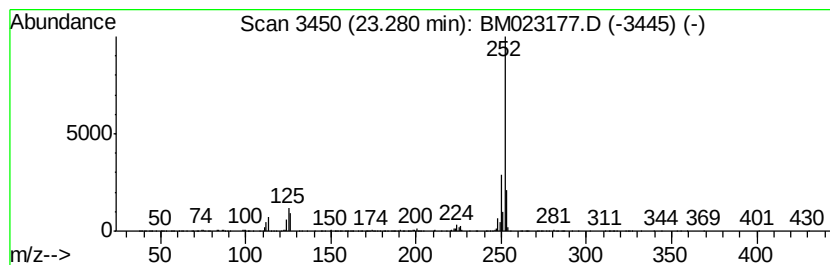
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	3.66 ng/ul	1277000	Perylene-d12	23.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023177.D
Acq On : 15 Oct 2019 21:34
Operator : JU
Sample : K5202-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB0

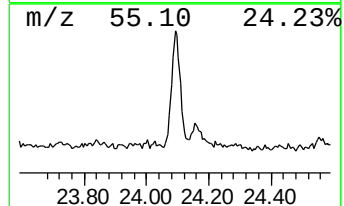
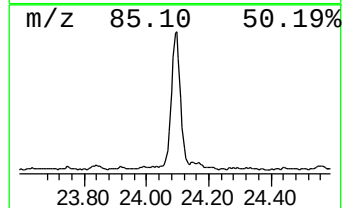
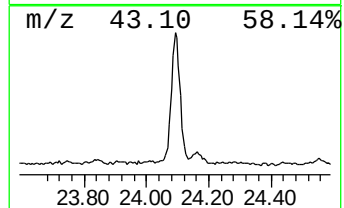
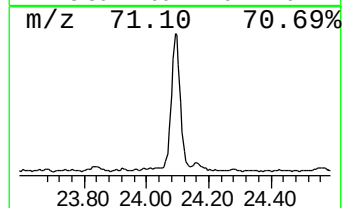
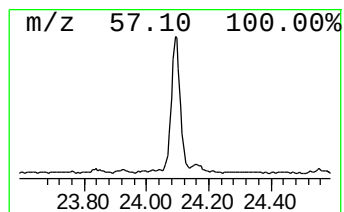
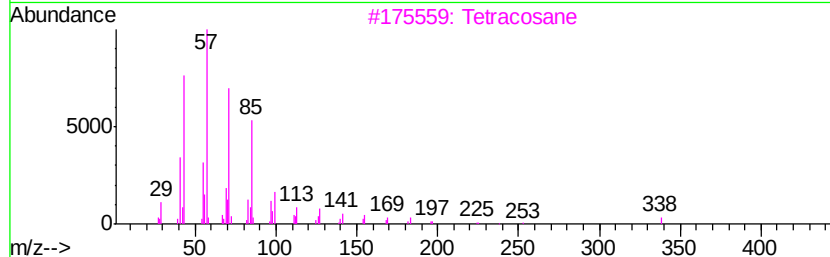
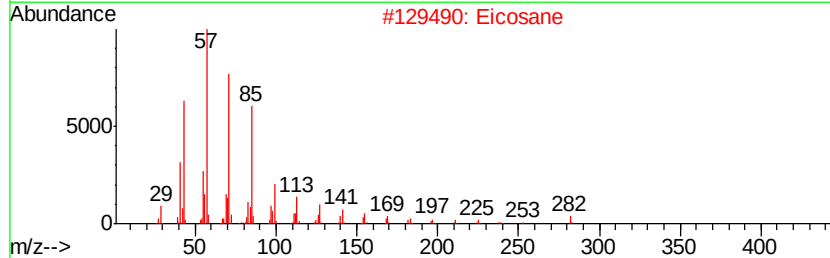
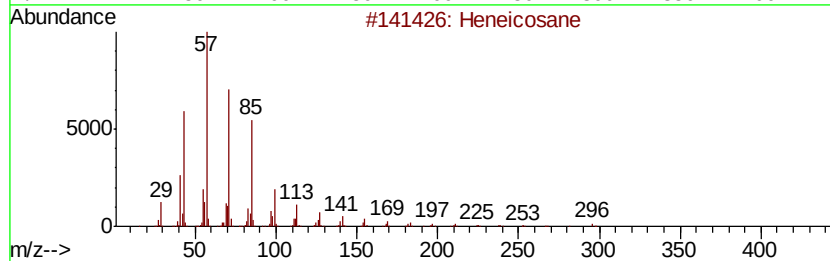
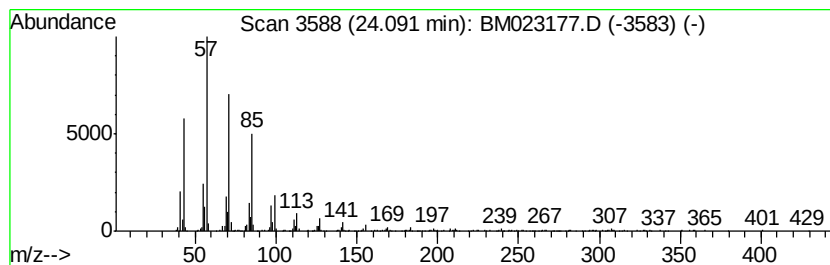
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	3.00 ng/ul	1047900	Perylene-d12	23.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	98
2		Eicosane	282	C20H42	000112-95-8	93
3		Tetracosane	338	C24H50	000646-31-1	90
4		Octacosane	394	C28H58	000630-02-4	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023177.D
Acq On : 15 Oct 2019 21:34
Operator : JU
Sample : K5202-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB0

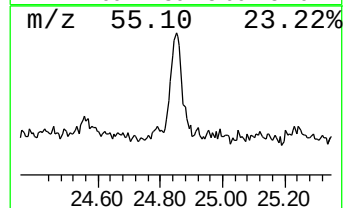
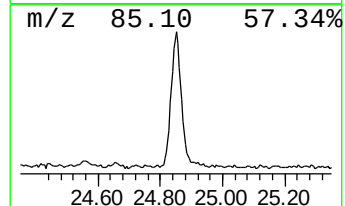
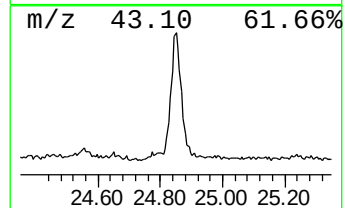
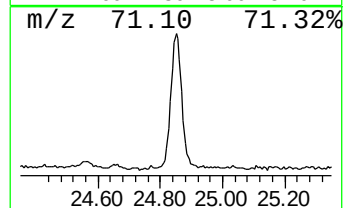
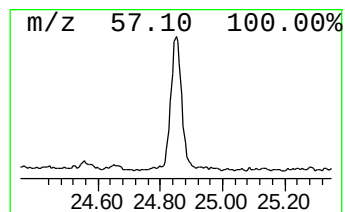
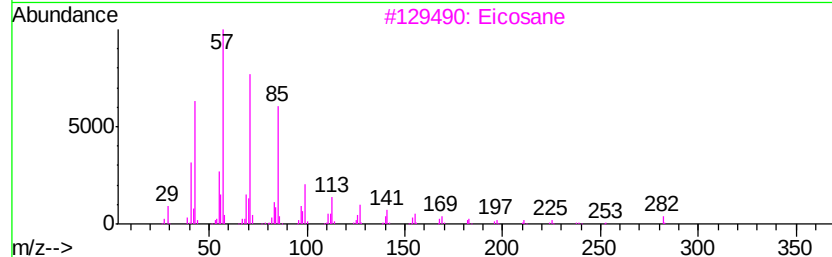
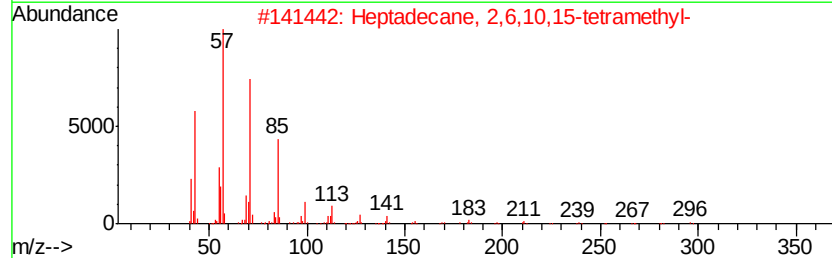
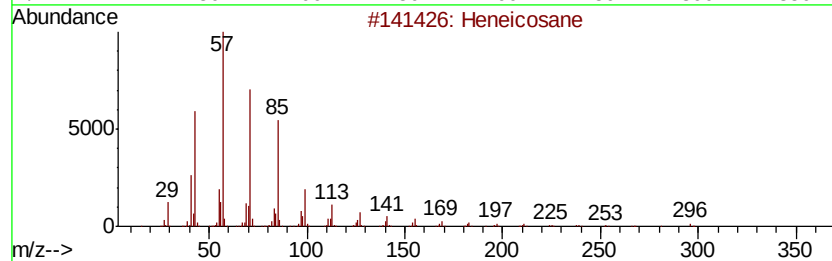
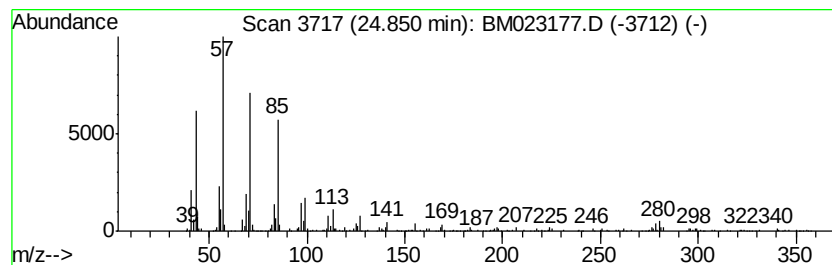
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.85	2.35 ng/ul	820284	Perylene-d12	23.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	93
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3		Eicosane	282	C20H42	000112-95-8	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		2-methyloctacosane	408	C29H60	1000376-72-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101519\
Data File : BM023177.D
Acq On : 15 Oct 2019 21:34
Operator : JU
Sample : K5202-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 1-m...	18.00	2.8	ng/ul	974040	4	17.07	6969840	20.0
(DEL) Alkane: Cyc...	21.02	3.1	ng/ul	1548890	5	21.26	10060400	20.0
Benzo[e]pyrene	23.28	3.7	ng/ul	1277000	6	23.47	6978140	20.0
(DEL) Alkane: Str...	24.09	3.0	ng/ul	1047900	6	23.47	6978140	20.0
(DEL) Alkane: Str...	24.85	2.4	ng/ul	820284	6	23.47	6978140	20.0