

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
 Data File : BP004233.D
 Acq On : 11 Dec 2020 18:03
 Operator : CG/JU
 Sample : L5000-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A3

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_P\METHODS\SOM-EPA-BP121020MA.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	3.834	107	110	115	rVB	121391	155502	1.67%	0.129%
2	4.269	180	184	197	rVB2	118040	184845	1.98%	0.154%
3	4.675	249	253	261	rVB2	81572	127529	1.37%	0.106%
4	5.922	462	465	471	rVB	29125	46636	0.50%	0.039%
5	6.987	640	646	657	rVB	766362	1280626	13.75%	1.064%
6	7.163	670	676	687	rVB	635810	1029095	11.05%	0.855%
7	7.357	703	709	717	rBV	756469	1253943	13.46%	1.042%
8	7.428	717	721	726	rBV	60810	94937	1.02%	0.079%
9	7.828	782	789	798	rBV	1271598	2053025	22.04%	1.706%
10	8.522	901	907	916	rBV	762922	1248954	13.41%	1.038%
11	8.645	923	928	934	rVB2	53921	92853	1.00%	0.077%
12	8.981	978	985	993	rBV	736293	1210328	12.99%	1.006%
13	9.428	1056	1061	1069	rVB3	21300	36253	0.39%	0.030%
14	9.704	1100	1108	1125	rVB	469034	792968	8.51%	0.659%
15	10.239	1192	1199	1214	rBV	874781	1469531	15.77%	1.221%
16	10.622	1255	1264	1272	rBV	1703228	2896686	31.09%	2.407%
17	10.757	1279	1287	1304	rBV	708392	1281114	13.75%	1.065%
18	13.880	1808	1818	1822	rVV	1623233	2266859	24.33%	1.884%
19	13.928	1822	1826	1832	rVB	347810	476693	5.12%	0.396%
20	14.163	1856	1866	1880	rBV	2017747	3049029	32.73%	2.534%
21	14.475	1911	1919	1925	rBV	2487992	3720932	39.94%	3.092%
22	14.533	1925	1929	1937	rVB	60956	97337	1.04%	0.081%
23	14.657	1943	1950	1963	rBV	490477	754762	8.10%	0.627%
24	14.875	1982	1987	1995	rVB2	39985	72340	0.78%	0.060%
25	15.292	2046	2058	2063	rBV2	11762	38144	0.41%	0.032%
26	15.469	2081	2088	2094	rBV	2495974	3601539	38.66%	2.993%
27	15.522	2094	2097	2102	rVV2	62490	91301	0.98%	0.076%
28	15.580	2102	2107	2116	rVV	401058	572722	6.15%	0.476%
29	15.710	2122	2129	2138	rVV3	28251	63541	0.68%	0.053%
30	15.822	2144	2148	2158	rVB	29160	53697	0.58%	0.045%
31	15.969	2168	2173	2179	rVB2	27239	52079	0.56%	0.043%
32	16.204	2208	2213	2217	rVV6	26410	49378	0.53%	0.041%
33	16.880	2323	2328	2336	rVB2	58193	100357	1.08%	0.083%
34	16.963	2336	2342	2348	rBV3	26378	68905	0.74%	0.057%

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35	17.045	2353	2356	2366	rVB	64803	108607	1.17%	0.090%
36	17.233	2381	2388	2391	rBV	2928556	4341921	46.61%	3.608%
37	17.274	2391	2395	2399	rVV	1720988	2362259	25.36%	1.963%
38	17.327	2399	2404	2415	rVV	2717453	4210114	45.19%	3.499%
39	17.421	2415	2420	2426	rVB	78479	117115	1.26%	0.097%
40	17.633	2447	2456	2460	rBV	163318	262562	2.82%	0.218%
41	17.757	2472	2477	2483	rVV2	41111	66303	0.71%	0.055%
42	17.810	2483	2486	2495	rVB4	27973	47820	0.51%	0.040%
43	18.104	2531	2536	2538	rVV	193248	292720	3.14%	0.243%
44	18.145	2538	2543	2549	rVV2	345389	715231	7.68%	0.594%
45	18.198	2549	2552	2554	rVV	50044	66301	0.71%	0.055%
46	18.227	2554	2557	2561	rVV	65185	94055	1.01%	0.078%
47	18.292	2561	2568	2571	rVV3	342655	591528	6.35%	0.492%
48	18.327	2571	2574	2580	rVB	149970	199145	2.14%	0.165%
49	18.586	2614	2618	2620	rBV	182663	223964	2.40%	0.186%
50	18.621	2620	2624	2631	rVV	353035	484875	5.20%	0.403%
51	18.827	2655	2659	2663	rBV2	62173	79481	0.85%	0.066%
52	18.874	2664	2667	2670	rVV	56358	61282	0.66%	0.051%
53	18.910	2670	2673	2677	rVB2	42315	55078	0.59%	0.046%
54	18.992	2681	2687	2691	rBV2	148627	248220	2.66%	0.206%
55	19.045	2691	2696	2700	rVV4	68255	151742	1.63%	0.126%
56	19.080	2700	2702	2705	rVV2	47153	51423	0.55%	0.043%
57	19.121	2705	2709	2718	rVV	168568	273652	2.94%	0.227%
58	19.245	2724	2730	2736	rVB	5823277	7349431	78.89%	6.108%
59	19.310	2738	2741	2743	rBV	32389	37094	0.40%	0.031%
60	19.339	2743	2746	2747	rBV	44460	45267	0.49%	0.038%
61	19.363	2748	2750	2753	rVB	64166	57063	0.61%	0.047%
62	19.433	2758	2762	2764	rBV3	64319	89675	0.96%	0.075%
63	19.480	2767	2770	2774	rVB	118017	154804	1.66%	0.129%
64	19.568	2779	2785	2788	rBV2	4547375	7022670	75.38%	5.836%
65	19.598	2788	2790	2797	rVV	4760158	5319383	57.10%	4.421%
66	19.668	2798	2802	2807	rVB2	166308	253010	2.72%	0.210%
67	19.774	2815	2820	2824	rBV	203301	285894	3.07%	0.238%
68	19.827	2825	2829	2835	rVB	128720	189047	2.03%	0.157%
69	19.910	2838	2843	2845	rBV3	233582	396113	4.25%	0.329%
70	19.962	2849	2852	2855	rVB	67930	80958	0.87%	0.067%
71	20.045	2861	2866	2868	rBV2	176230	283691	3.05%	0.236%

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72	20.080	2868	2872	2876	rVB	550924	735695	7.90%	0.611%
73	20.180	2884	2889	2892	rBV2	321591	417094	4.48%	0.347%
74	20.233	2892	2898	2902	rVV2	362143	583053	6.26%	0.485%
75	20.274	2902	2905	2908	rVV	152324	184178	1.98%	0.153%
76	20.315	2909	2912	2917	rVB4	79685	107222	1.15%	0.089%
77	20.368	2917	2921	2925	rBV	198237	267019	2.87%	0.222%
78	20.415	2925	2929	2933	rVV2	188542	276872	2.97%	0.230%
79	20.474	2937	2939	2942	rVB3	67258	69255	0.74%	0.058%
80	20.810	2992	2996	3003	rVB	433898	637436	6.84%	0.530%
81	20.974	3017	3024	3027	rBV3	552117	957026	10.27%	0.795%
82	21.015	3027	3031	3033	rVV	415230	609048	6.54%	0.506%
83	21.045	3033	3036	3041	rVV3	740046	1366883	14.67%	1.136%
84	21.098	3041	3045	3052	rVB2	572311	918909	9.86%	0.764%
85	21.315	3076	3082	3086	rBV2	4842059	9315986	100.00%	7.742%
86	21.357	3086	3089	3099	rVB	2918777	4048741	43.46%	3.365%
87	21.480	3106	3110	3115	rBV	479663	627117	6.73%	0.521%
88	21.639	3133	3137	3143	rBV2	386065	561508	6.03%	0.467%
89	21.886	3177	3179	3184	rVB	266097	347730	3.73%	0.289%
90	21.945	3185	3189	3195	rVB2	409223	648799	6.96%	0.539%
91	22.098	3211	3215	3218	rBV	203620	320032	3.44%	0.266%
92	22.127	3218	3220	3226	rVB4	230614	325953	3.50%	0.271%
93	22.962	3355	3362	3367	rBV	2744380	6477100	69.53%	5.383%
94	23.139	3388	3392	3398	rVB	291383	481920	5.17%	0.400%
95	23.468	3442	3448	3452	rBV	1448757	2833054	30.41%	2.354%
96	23.521	3452	3457	3461	rVV	2457173	4627605	49.67%	3.846%
97	23.568	3461	3465	3474	rVB	2040575	3932048	42.21%	3.268%
98	23.674	3475	3483	3488	rBV	2497039	5292038	56.81%	4.398%
99	26.080	3884	3892	3906	rVB2	1159389	3588109	38.52%	2.982%
100	26.815	4010	4017	4038	rVB	769901	2720797	29.21%	2.261%

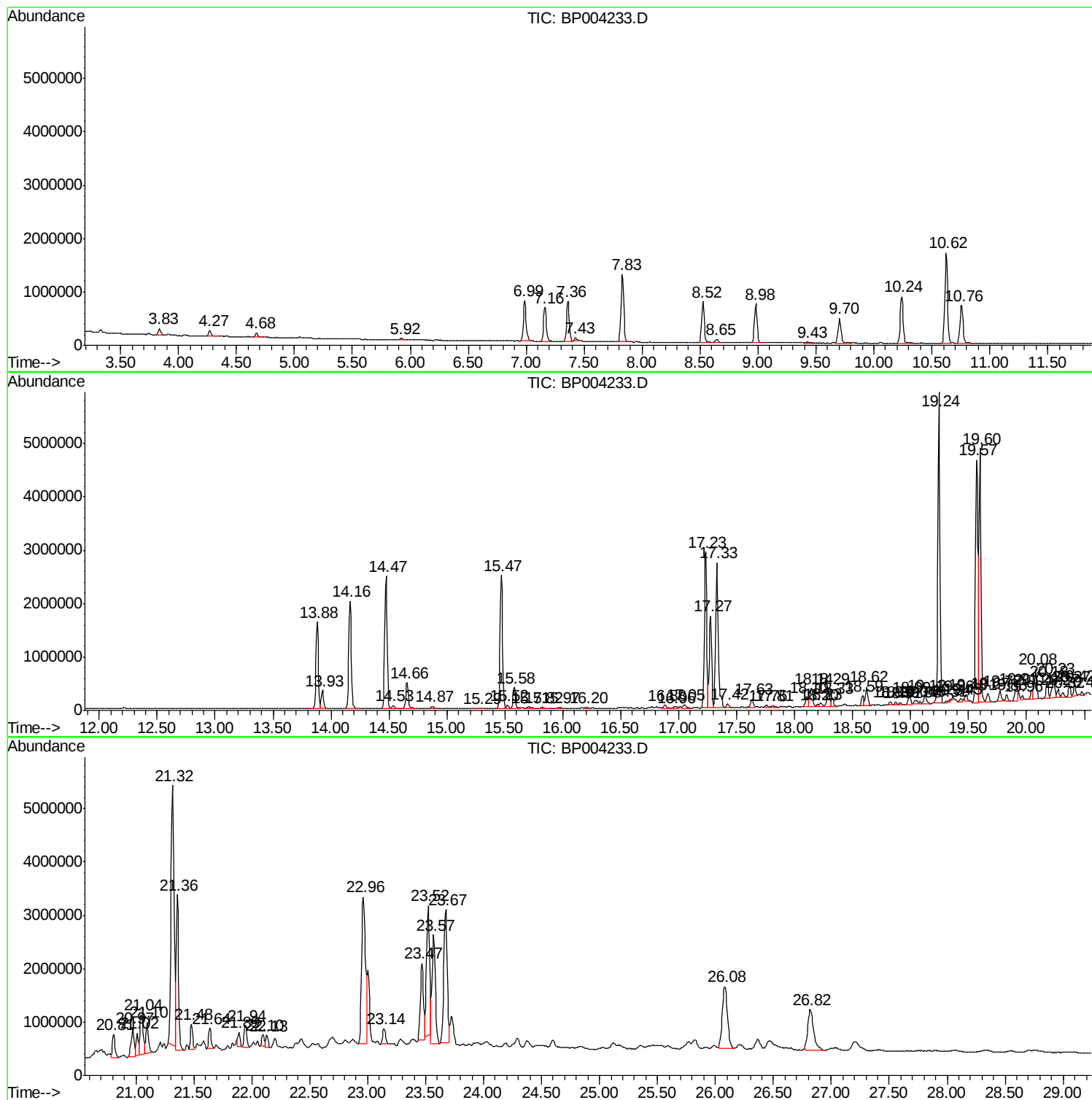
Sum of corrected areas: 120332165

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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



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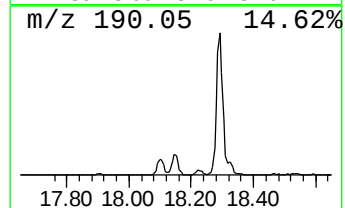
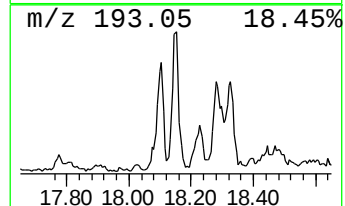
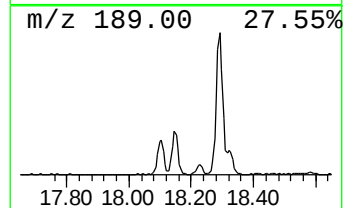
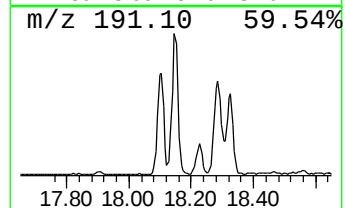
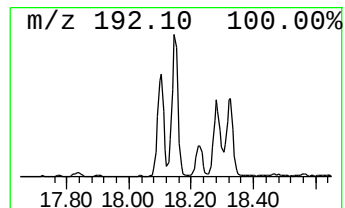
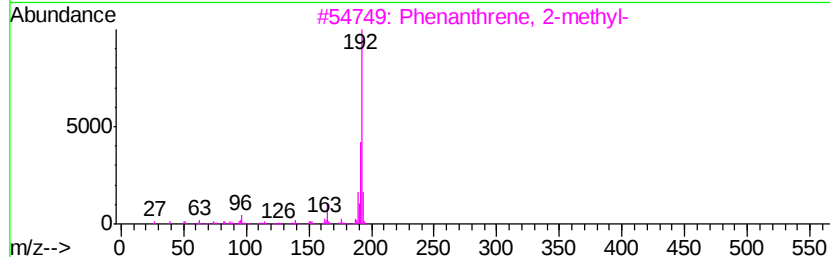
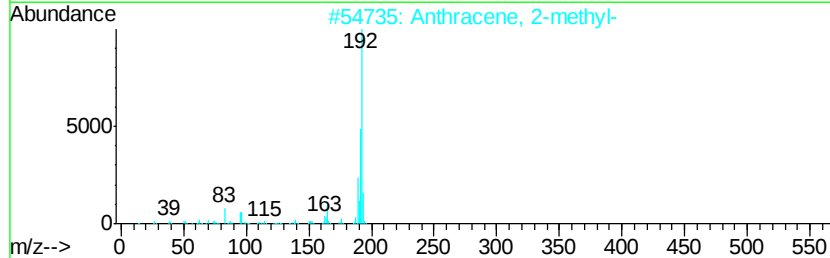
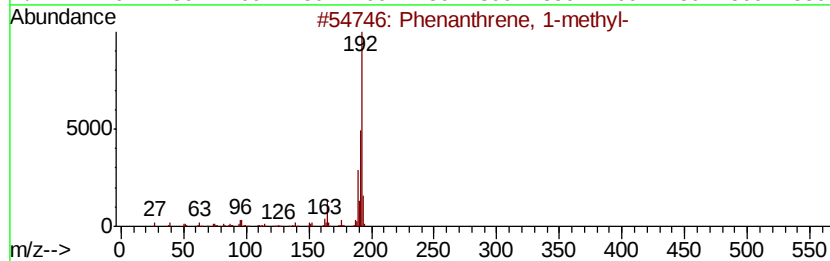
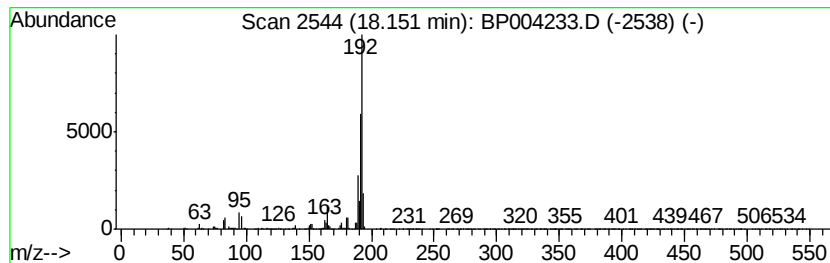
Instrument :
BNA_P
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A54A3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.15	3.29 ng/ul	715231	Phenanthrene-d10	17.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



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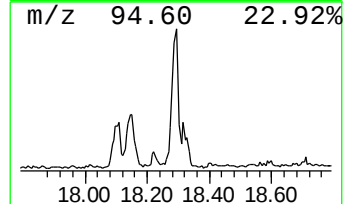
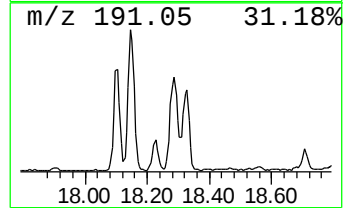
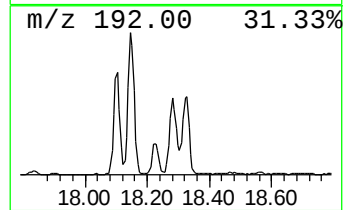
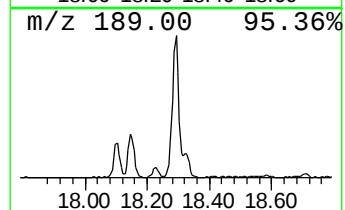
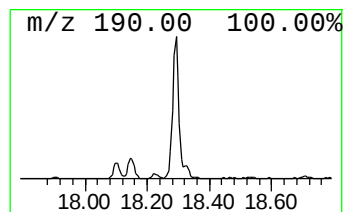
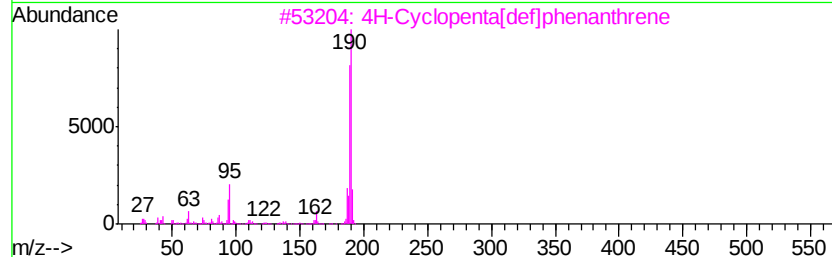
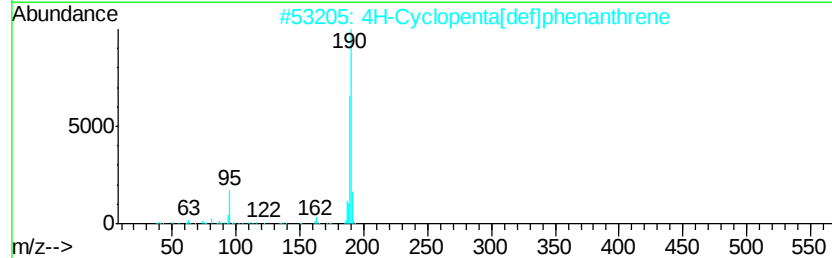
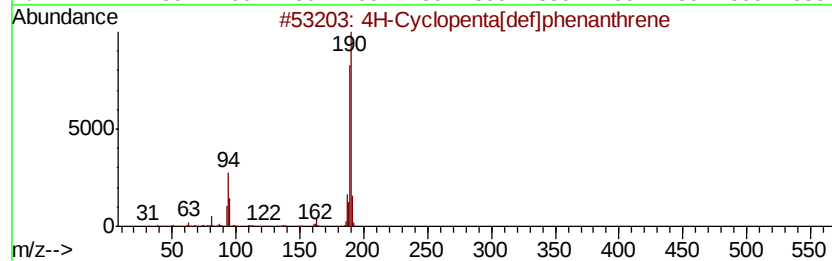
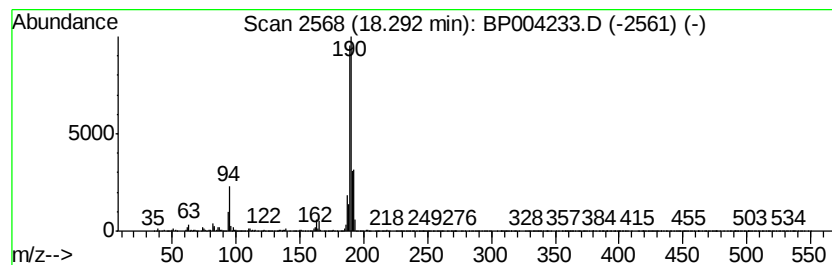
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.72 ng/ul	591528	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



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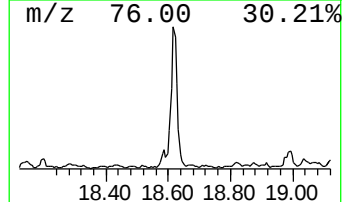
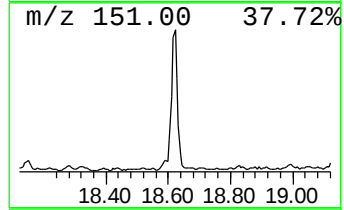
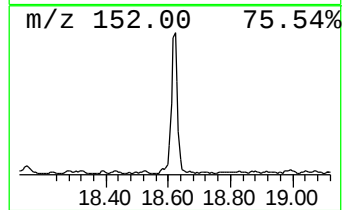
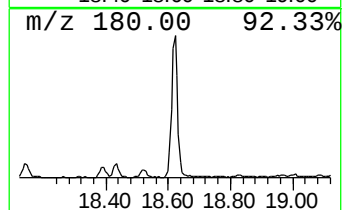
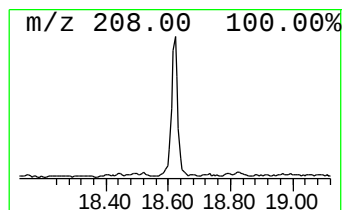
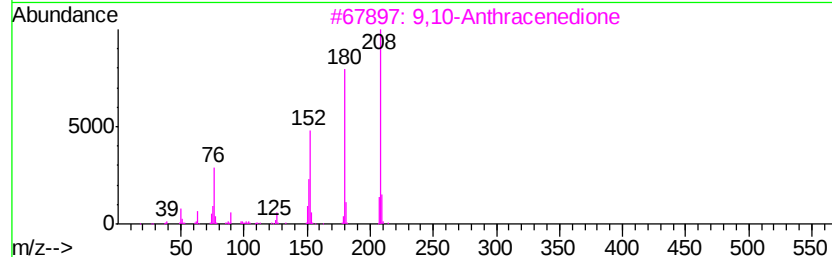
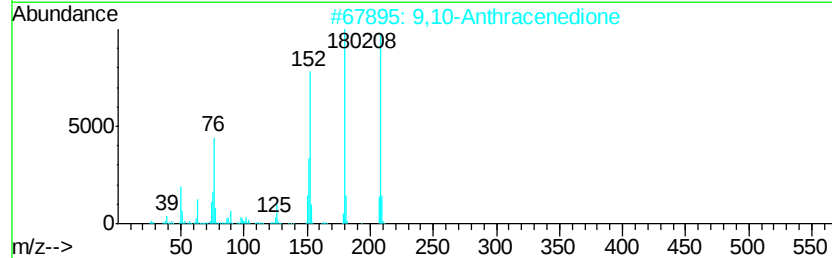
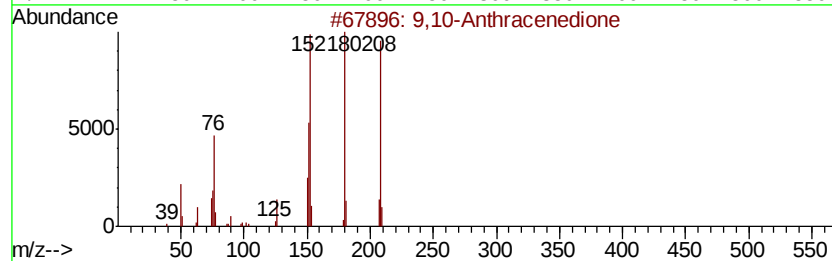
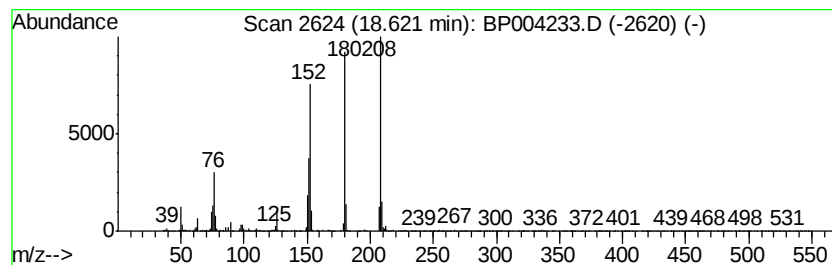
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.23 ng/ul	484875	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4		Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	86
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
Data File : BP004233.D
Acq On : 11 Dec 2020 18:03
Operator : CG/JU
Sample : L5000-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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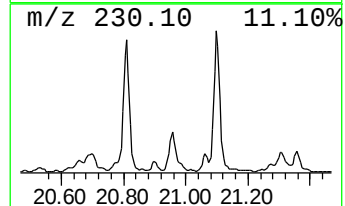
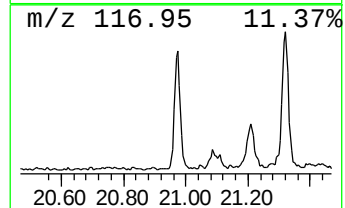
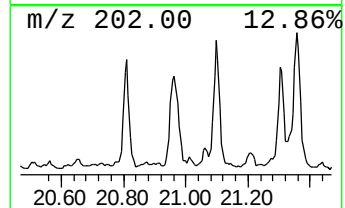
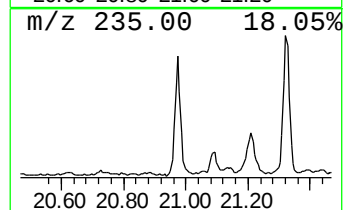
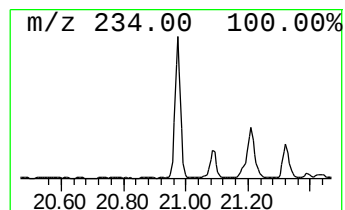
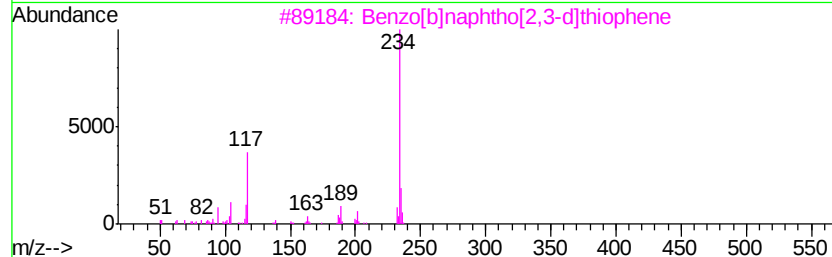
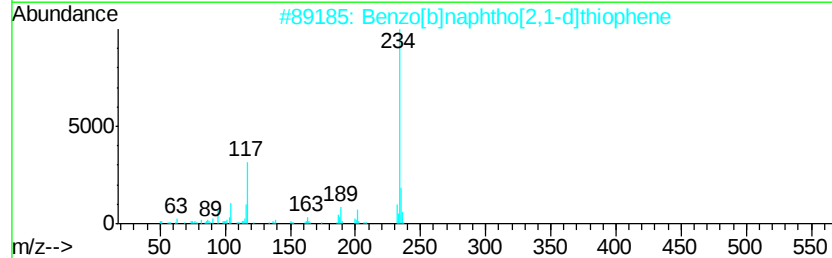
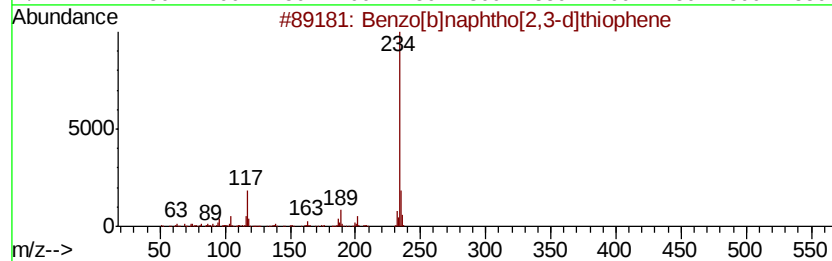
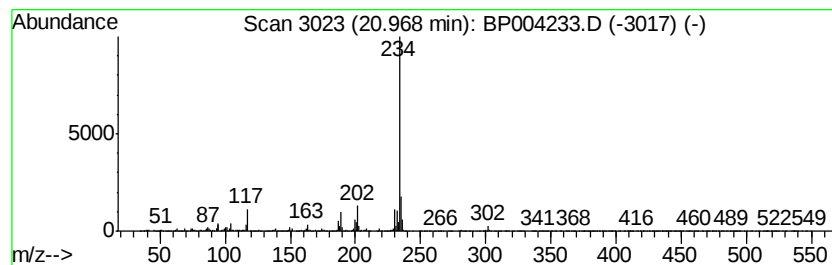
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.05 ng/ul	957026	Chrysene-d12	21.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
Data File : BP004233.D
Acq On : 11 Dec 2020 18:03
Operator : CG/JU
Sample : L5000-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

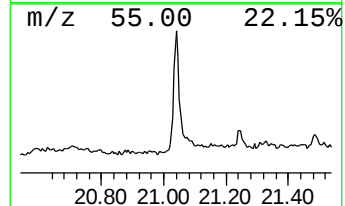
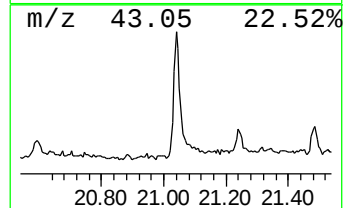
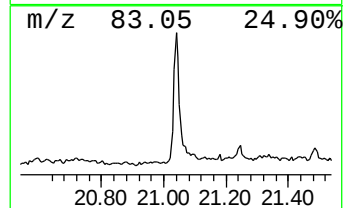
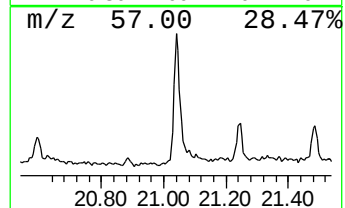
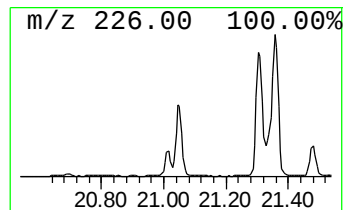
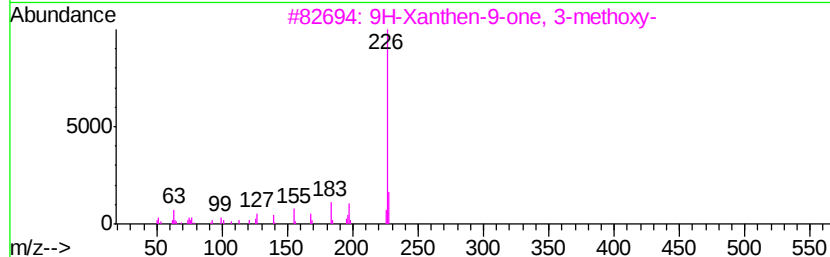
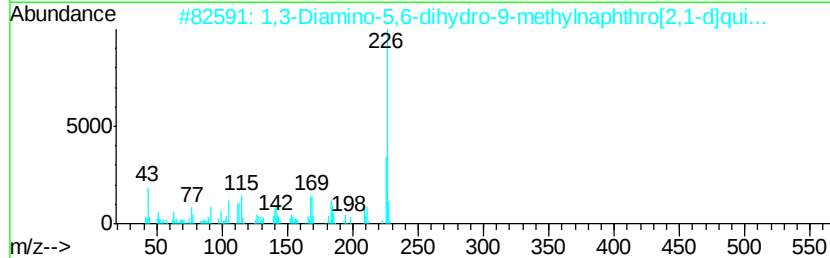
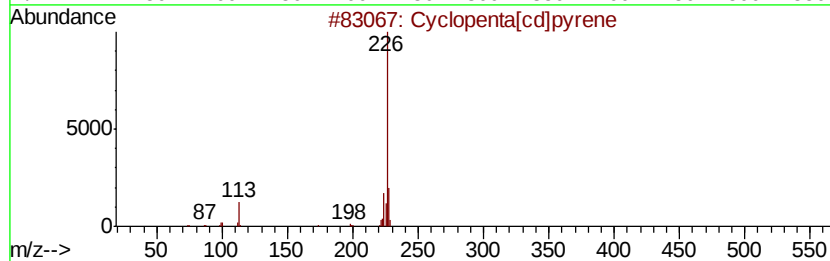
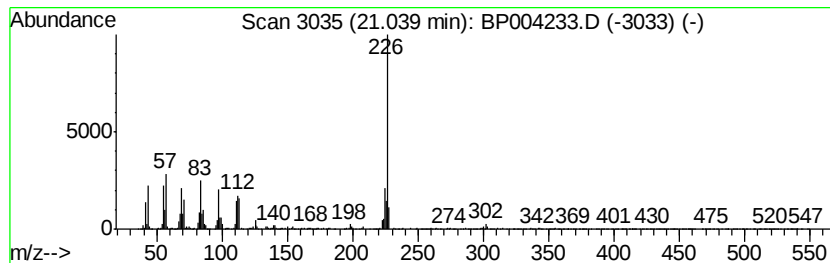
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Cyclopenta[cd]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.93 ng/ul	1366880	Chrysene-d12	21.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 70
2		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 53
3		9H-Xanthen-9-one, 3-methoxy-	226 C14H10O3	003722-52-9 38
4		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 36
5		4-Naphthalen-2-yl-thiazol-2-ylamine	226 C13H10N2S	1000300-53-4 36



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\
Data File : BP004233.D
Acq On : 11 Dec 2020 18:03
Operator : CG/JU
Sample : L5000-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A54A3

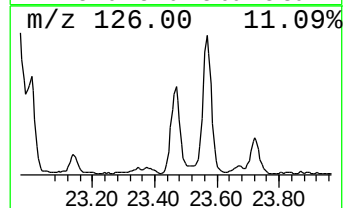
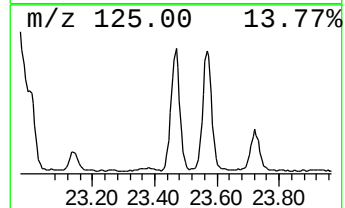
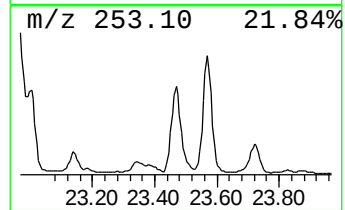
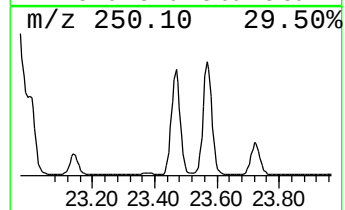
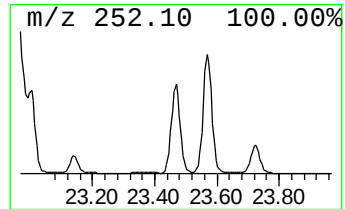
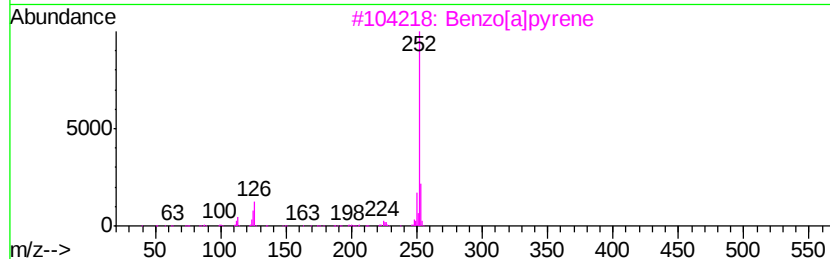
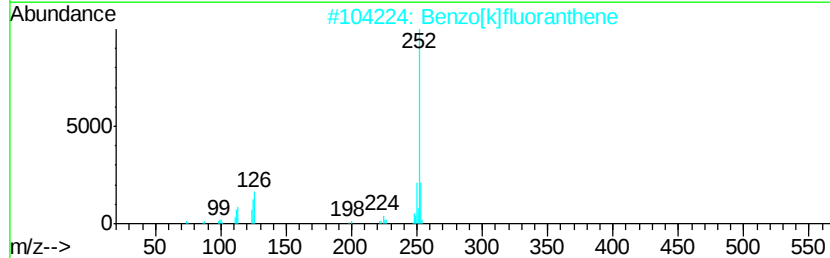
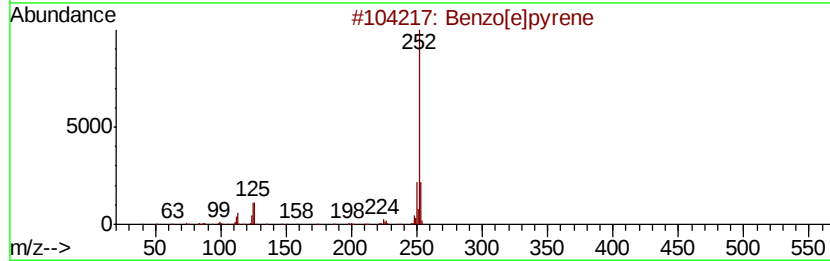
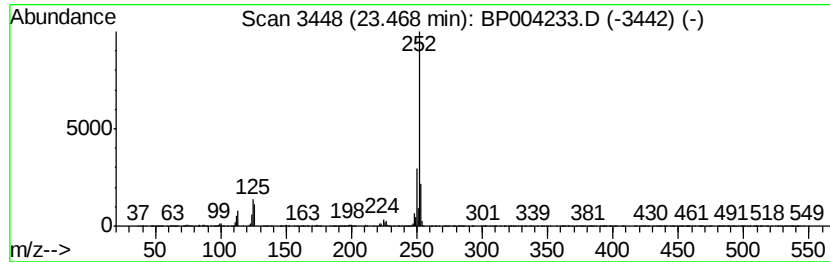
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.47	10.71 ng/ul	2833050	Perylene-d12	23.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	97
4		Perylene	252	C20H12	000198-55-0	95
5		Perylene	252	C20H12	000198-55-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121220\
Data File : BP004233.D
Acq On : 11 Dec 2020 18:03
Operator : CG/JU
Sample : L5000-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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...	18.15	3.3	ng/ul	715231	4	17.23	4341920	20.0
4H-Cyclopenta[def...	18.29	2.7	ng/ul	591528	4	17.23	4341920	20.0
9,10-Anthracenedione	18.62	2.2	ng/ul	484875	4	17.23	4341920	20.0
Benzo[b]naphtho[2...	20.97	2.0	ng/ul	957026	5	21.32	9315990	20.0
Cyclopenta[cd]pyrene	21.04	2.9	ng/ul	1366880	5	21.32	9315990	20.0
Benzo[e]pyrene	23.47	10.7	ng/ul	2833050	6	23.67	5292040	20.0