

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122120\
 Data File : BP004403.D
 Acq On : 21 Dec 2020 11:24
 Operator : CG/JU
 Sample : L5134-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BFN58DL

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-BP121820MA.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	3.828	106	109	117	rVB	77241	108892	1.72%	0.158%
2	6.993	642	647	656	rVB	100676	184722	2.93%	0.269%
3	7.158	670	675	683	rVB	86100	144134	2.28%	0.210%
4	7.358	704	709	717	rVB	114468	192392	3.05%	0.280%
5	7.822	781	788	799	rBV	1008524	1626712	25.77%	2.367%
6	8.528	902	908	916	rBV	104547	173379	2.75%	0.252%
7	8.981	979	985	993	rVB	102017	183437	2.91%	0.267%
8	9.699	1102	1107	1118	rVB	71695	129408	2.05%	0.188%
9	10.240	1193	1199	1207	rBV	117334	206407	3.27%	0.300%
10	10.616	1255	1263	1269	rBV	1256610	2183848	34.59%	3.177%
11	10.669	1269	1272	1279	rVV	96302	151101	2.39%	0.220%
12	10.757	1281	1287	1297	rVB	51632	108026	1.71%	0.157%
13	12.287	1541	1547	1555	rBV	41632	69195	1.10%	0.101%
14	12.504	1576	1584	1590	rBV	36652	59450	0.94%	0.086%
15	13.787	1792	1802	1807	rBV2	37508	68682	1.09%	0.100%
16	13.875	1813	1817	1822	rVV	206208	289017	4.58%	0.420%
17	14.163	1855	1866	1869	rBV	262215	446636	7.07%	0.650%
18	14.193	1869	1871	1880	rVB	154536	191880	3.04%	0.279%
19	14.469	1910	1918	1924	rVV2	1686298	2571305	40.73%	3.741%
20	14.534	1924	1929	1936	rVV	176287	280067	4.44%	0.407%
21	14.681	1947	1954	1962	rBV2	35532	76700	1.21%	0.112%
22	14.869	1981	1986	1995	rVB	139390	222934	3.53%	0.324%
23	15.093	2017	2024	2029	rBV3	23064	47170	0.75%	0.069%
24	15.469	2080	2088	2093	rVV	322077	490429	7.77%	0.714%
25	15.522	2093	2097	2106	rVV	193867	304953	4.83%	0.444%
26	15.598	2106	2110	2116	rVV2	26857	62788	0.99%	0.091%
27	15.687	2122	2125	2130	rVV2	27868	48072	0.76%	0.070%
28	15.822	2143	2148	2159	rVB	70301	115588	1.83%	0.168%
29	15.969	2168	2173	2181	rVB2	70546	146331	2.32%	0.213%
30	16.057	2181	2188	2194	rVB4	20143	41978	0.66%	0.061%
31	16.204	2207	2213	2221	rVB5	34728	60429	0.96%	0.088%
32	16.534	2258	2269	2274	rBV6	37967	100864	1.60%	0.147%
33	16.769	2301	2309	2312	rBV3	48596	88595	1.40%	0.129%
34	16.804	2312	2315	2319	rVV2	46593	69799	1.11%	0.102%

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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
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35	16.887	2323	2329	2336	rVV	132027	210890	3.34%	0.307%
36	16.963	2337	2342	2349	rVV3	48260	127380	2.02%	0.185%
37	17.051	2353	2357	2366	rVB	118791	186626	2.96%	0.272%
38	17.234	2381	2388	2391	rBV	1861387	2651059	41.99%	3.857%
39	17.275	2391	2395	2400	rVV	2659078	3709792	58.76%	5.397%
40	17.334	2400	2405	2407	rVV	326273	480303	7.61%	0.699%
41	17.363	2407	2410	2416	rVB	499595	704315	11.16%	1.025%
42	17.422	2416	2420	2427	rVB3	51667	81130	1.29%	0.118%
43	17.639	2447	2457	2461	rBV2	215137	372161	5.90%	0.541%
44	17.751	2472	2476	2483	rBV2	61903	106258	1.68%	0.155%
45	17.816	2483	2487	2491	rBV2	40890	56090	0.89%	0.082%
46	18.104	2530	2536	2540	rBV	266752	383218	6.07%	0.558%
47	18.151	2540	2544	2548	rVV	379276	513060	8.13%	0.746%
48	18.228	2553	2557	2562	rVB	124064	163498	2.59%	0.238%
49	18.292	2562	2568	2572	rBV2	381403	680102	10.77%	0.989%
50	18.328	2572	2574	2581	rVB	193456	226837	3.59%	0.330%
51	18.404	2582	2587	2590	rBV4	29446	57586	0.91%	0.084%
52	18.586	2614	2618	2622	rVV	241504	327069	5.18%	0.476%
53	18.628	2622	2625	2631	rVB	226673	287085	4.55%	0.418%
54	18.710	2636	2639	2645	rVB3	30850	44080	0.70%	0.064%
55	18.828	2655	2659	2663	rBV2	74523	87446	1.39%	0.127%
56	18.875	2663	2667	2670	rBV	54992	64754	1.03%	0.094%
57	18.910	2670	2673	2677	rVB2	59839	76427	1.21%	0.111%
58	18.992	2681	2687	2691	rBV	158784	288022	4.56%	0.419%
59	19.128	2706	2710	2718	rVB	225118	379307	6.01%	0.552%
60	19.251	2725	2731	2737	rVB	4325777	5599954	88.70%	8.147%
61	19.310	2738	2741	2743	rVV	38965	44657	0.71%	0.065%
62	19.345	2743	2747	2751	rVB2	101851	124632	1.97%	0.181%
63	19.392	2751	2755	2759	rBV	139128	190222	3.01%	0.277%
64	19.439	2759	2763	2766	rVV4	60703	107898	1.71%	0.157%
65	19.486	2767	2771	2780	rVV	130345	252704	4.00%	0.368%
66	19.575	2780	2786	2787	rVV2	994114	1259480	19.95%	1.832%
67	19.604	2787	2791	2798	rVV	3713162	5111135	80.96%	7.436%
68	19.669	2798	2802	2809	rVB3	158631	256964	4.07%	0.374%
69	19.775	2816	2820	2826	rVB	181801	249657	3.95%	0.363%
70	19.833	2826	2830	2835	rVB	160614	247613	3.92%	0.360%
71	19.928	2839	2846	2851	rBV2	209605	541495	8.58%	0.788%

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72	19.969	2851	2853	2856	rVB	51327	52399	0.83%	0.076%
73	20.051	2862	2867	2869	rBV3	154782	259333	4.11%	0.377%
74	20.081	2869	2872	2878	rVB	293246	433626	6.87%	0.631%
75	20.180	2886	2889	2893	rBV	143251	174167	2.76%	0.253%
76	20.239	2893	2899	2903	rVV3	305982	504918	8.00%	0.735%
77	20.275	2903	2905	2909	rVB2	108272	125226	1.98%	0.182%
78	20.316	2909	2912	2918	rBV2	58090	84878	1.34%	0.123%
79	20.375	2919	2922	2926	rBV	159019	207616	3.29%	0.302%
80	20.422	2926	2930	2934	rVV	175243	230231	3.65%	0.335%
81	20.816	2993	2997	3004	rVB	380366	483292	7.66%	0.703%
82	20.980	3019	3025	3028	rBV2	255316	485211	7.69%	0.706%
83	21.016	3028	3031	3034	rVV	330161	424158	6.72%	0.617%
84	21.057	3034	3038	3043	rVV2	351142	669163	10.60%	0.974%
85	21.110	3043	3047	3054	rVB2	354397	539667	8.55%	0.785%
86	21.280	3074	3076	3077	rBV	82769	70942	1.12%	0.103%
87	21.322	3077	3083	3087	rVV3	3226895	6313021	100.00%	9.185%
88	21.363	3087	3090	3100	rVB	1814056	2453585	38.87%	3.570%
89	21.439	3101	3103	3107	rVB2	93653	106507	1.69%	0.155%
90	21.486	3107	3111	3116	rVB	234107	310172	4.91%	0.451%
91	21.539	3117	3120	3123	rBV2	102184	142374	2.26%	0.207%
92	21.651	3135	3139	3144	rBV2	218219	319362	5.06%	0.465%
93	21.898	3178	3181	3185	rVB	252619	316705	5.02%	0.461%
94	22.974	3357	3364	3369	rBV	1655135	3958526	62.70%	5.759%
95	23.157	3391	3395	3401	rVB	302951	500956	7.94%	0.729%
96	23.486	3445	3451	3456	rBV	902452	1756320	27.82%	2.555%
97	23.586	3462	3468	3476	rVB	1529770	3002178	47.56%	4.368%
98	23.686	3479	3485	3491	rBV	1619606	3343210	52.96%	4.864%
99	26.110	3891	3897	3909	rVB2	822449	2406552	38.12%	3.501%
100	26.857	4019	4024	4038	rVB	522130	1565053	24.79%	2.277%

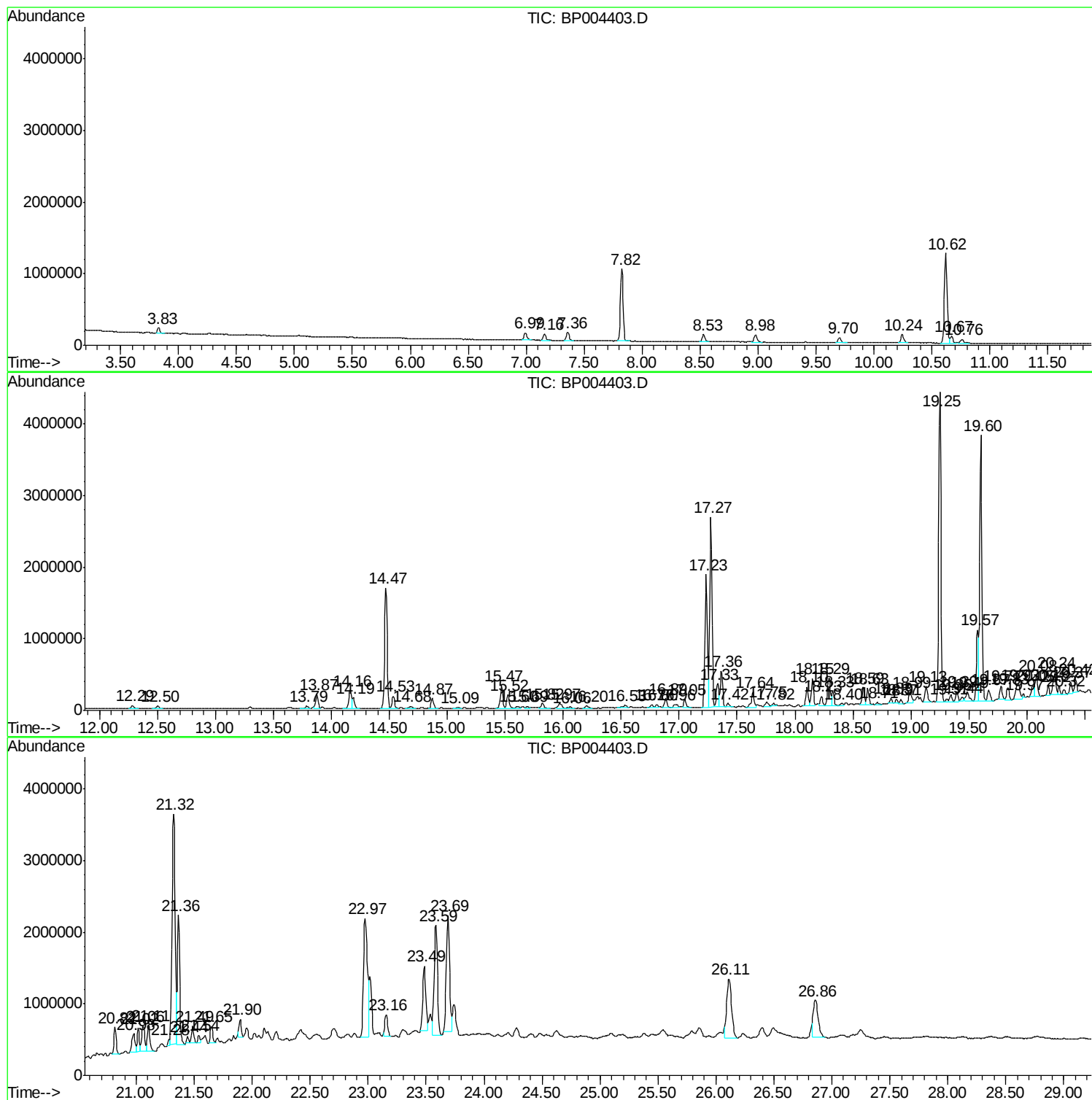
Sum of corrected areas: 68735574

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

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



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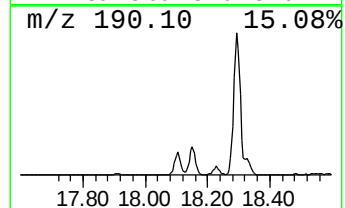
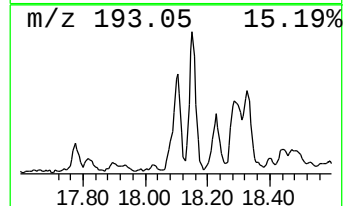
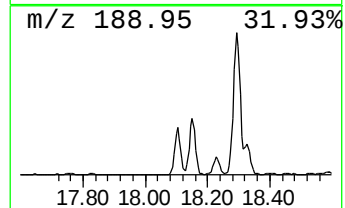
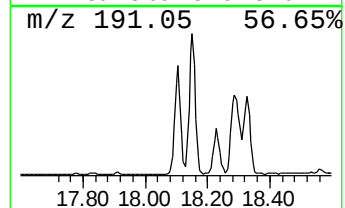
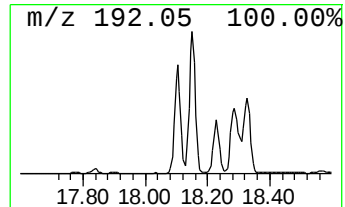
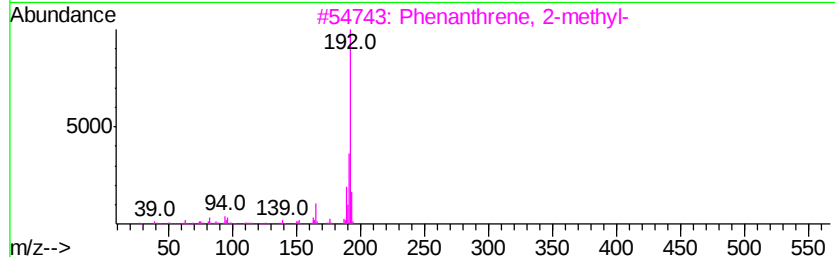
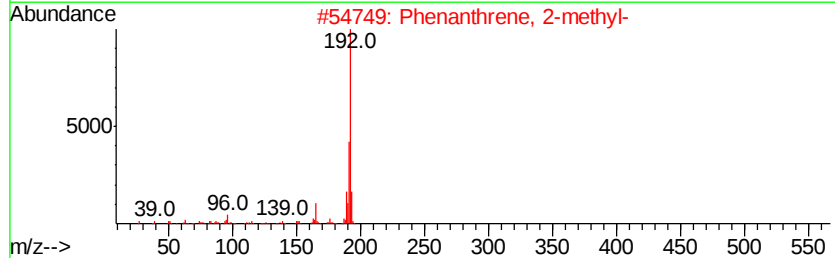
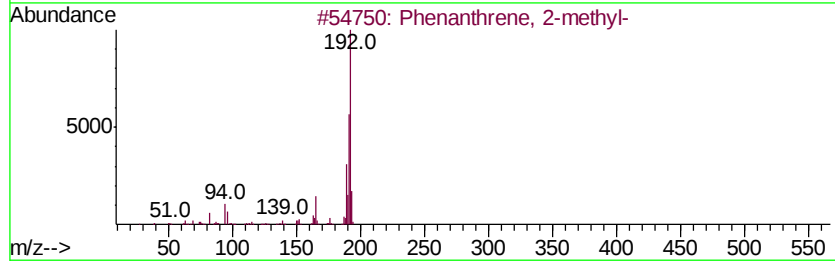
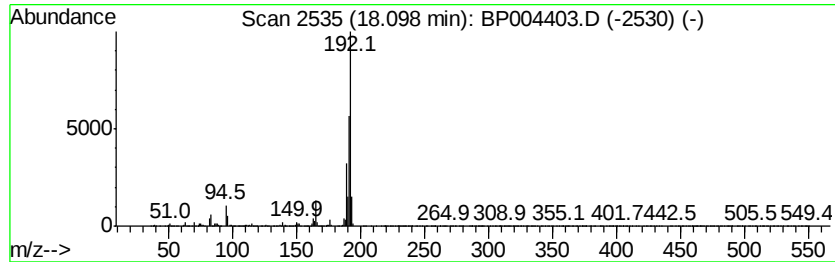
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.10	2.89 ng/ul	383218	Phenanthrene-d10	17.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95	
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92	
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91	



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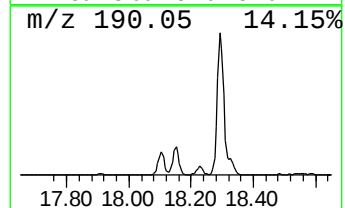
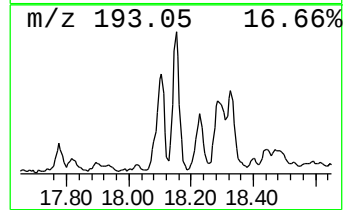
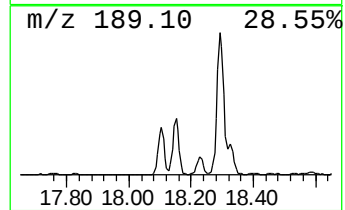
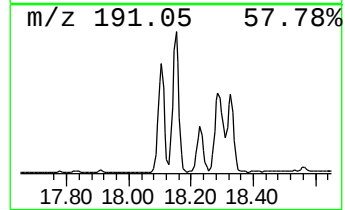
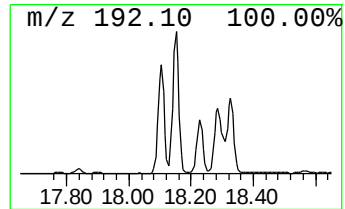
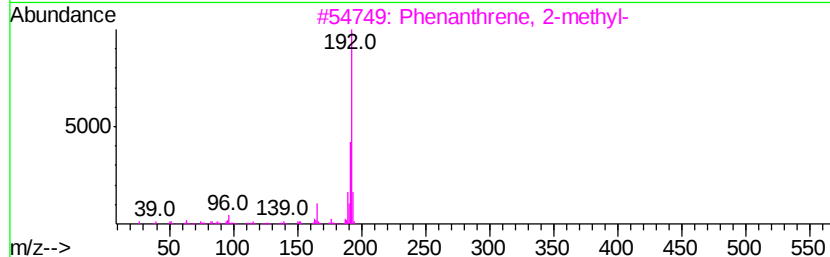
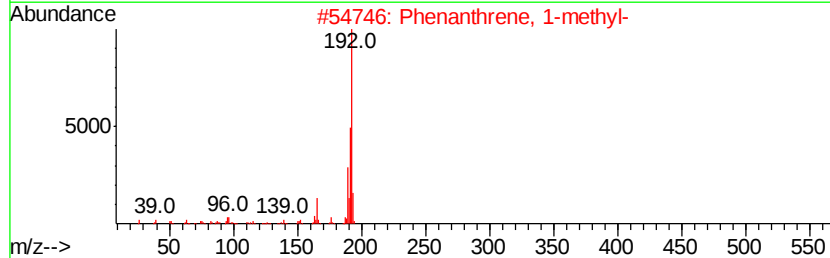
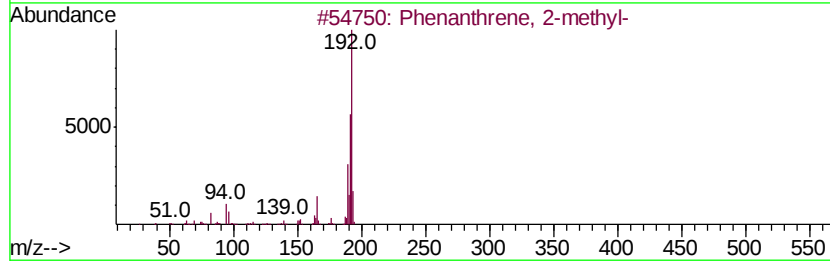
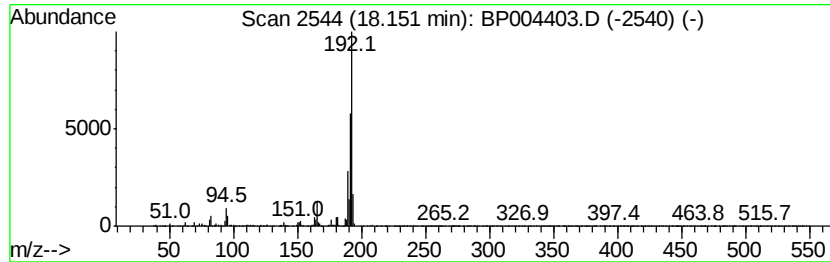
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.15	3.87 ng/ul	513060	Phenanthrene-d10	17.23		
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	97
4	1H-Cyclopropa[1,1]phenanthrene,1a,...		192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	95



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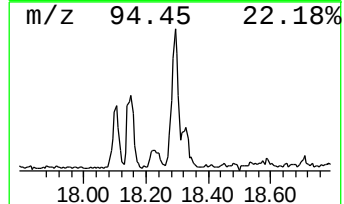
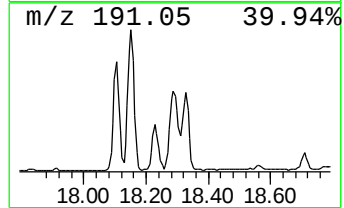
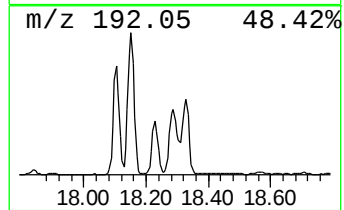
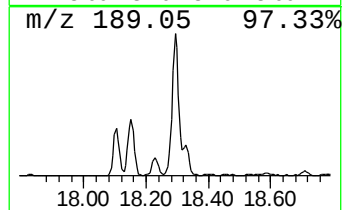
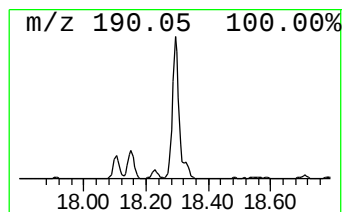
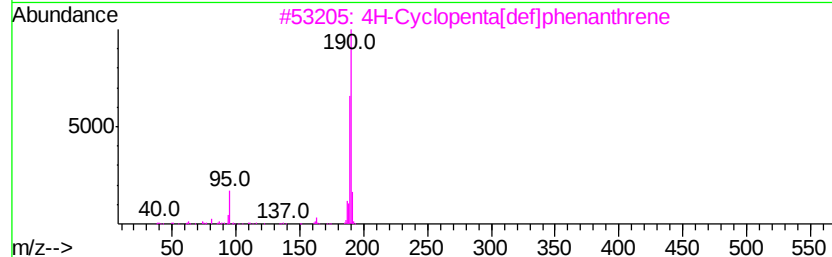
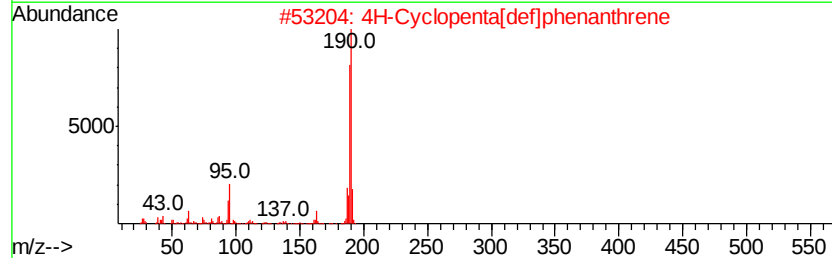
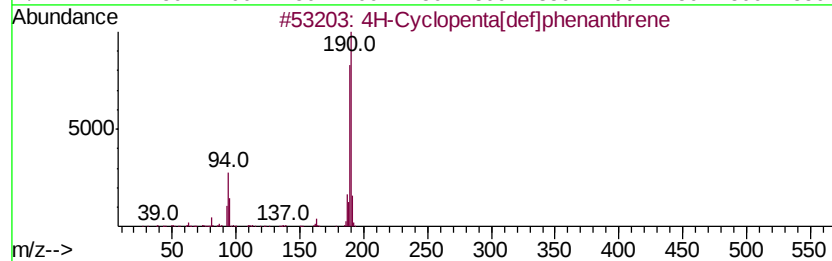
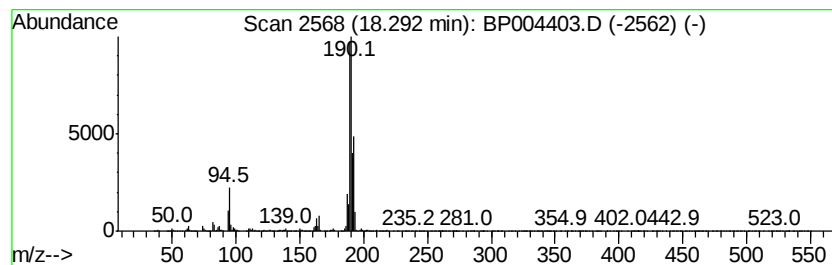
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.29	5.13 ng/ul	680102	Phenanthrene-d10	17.23	
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	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53



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Data File : BP004403.D
Acq On : 21 Dec 2020 11:24
Operator : CG/JU
Sample : L5134-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

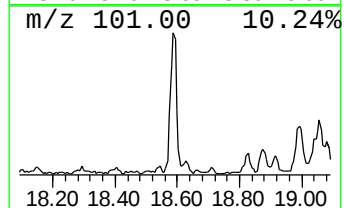
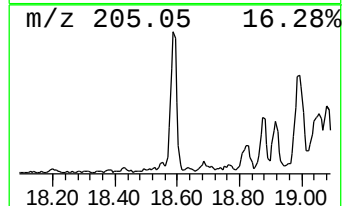
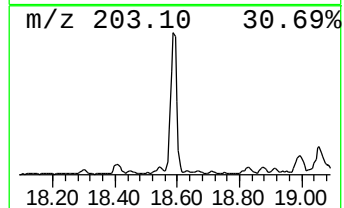
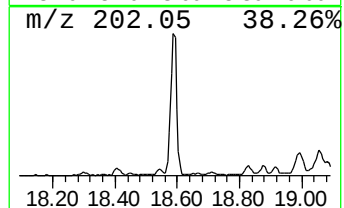
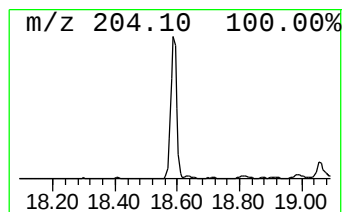
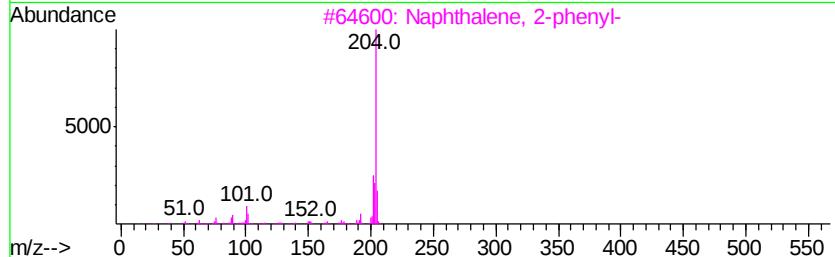
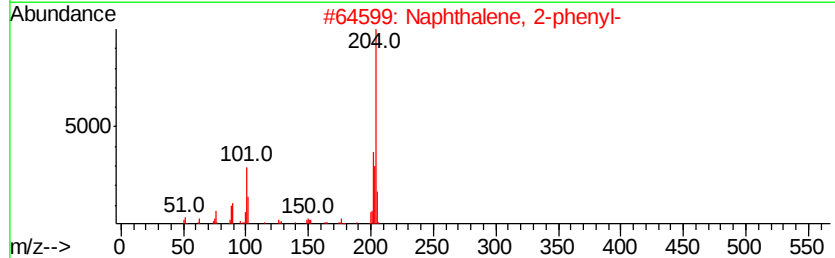
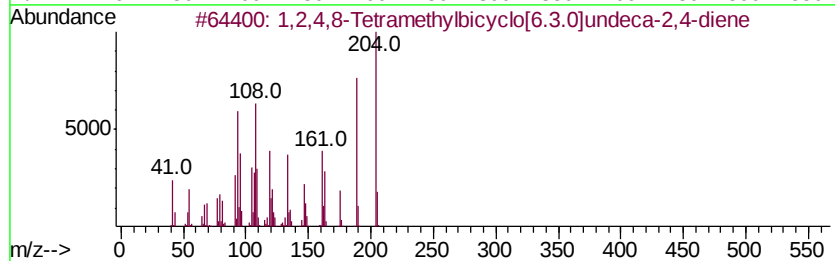
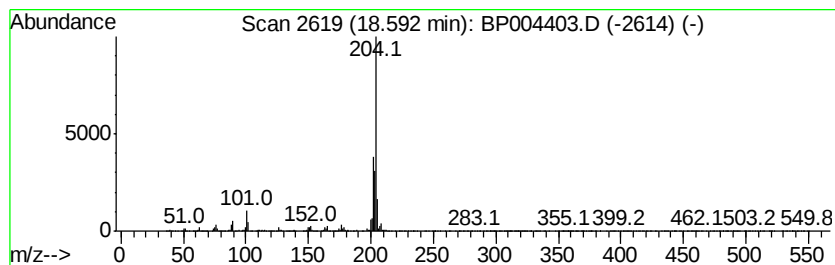
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.59	2.47 ng/ul	327069	Phenanthrene-d10	17.23	
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	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:[8,13[1'',2'']]-Dibenz[1,2-b:4,5-b']-pentalene	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



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Operator : CG/JU
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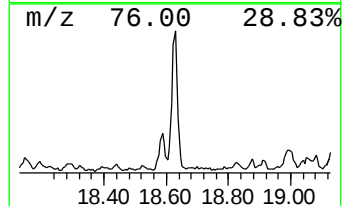
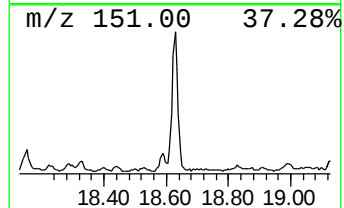
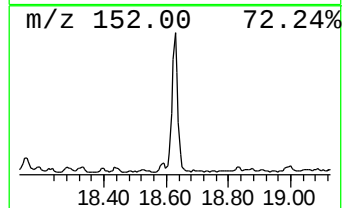
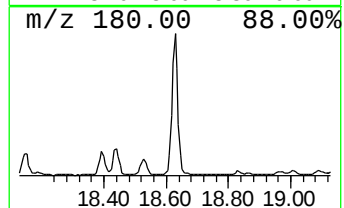
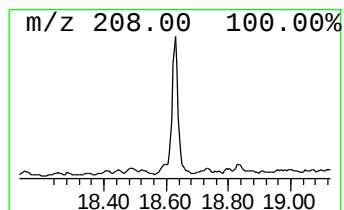
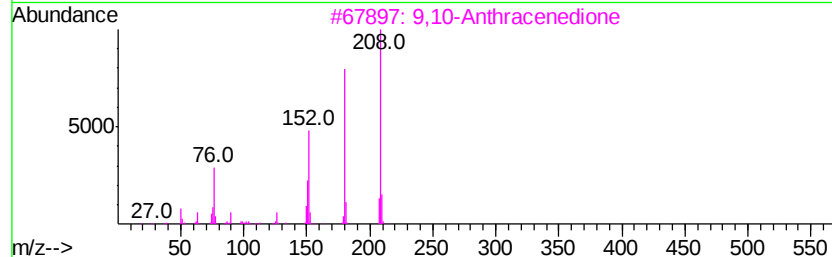
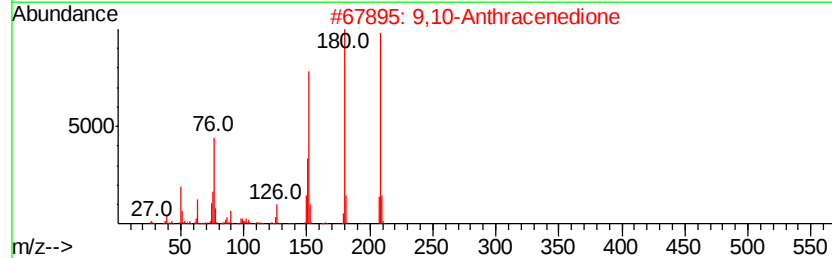
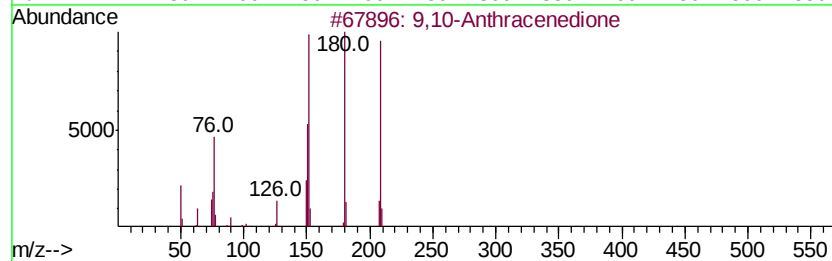
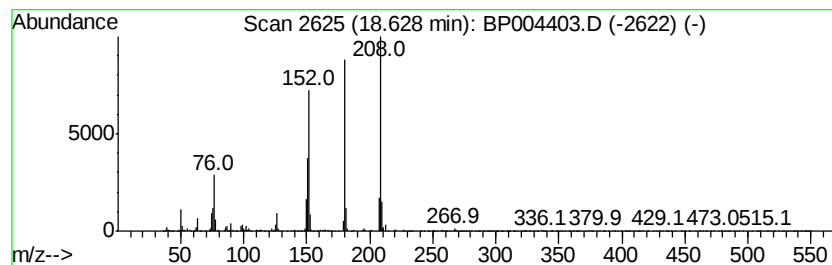
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.63	2.17 ng/ul	287085	Phenanthrene-d10		17.23		
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	96
3	9,10-Anthracenedione			208	C14H8O2	000084-65-1	95
4	Benzo[h]cinnoline			180	C12H8N2	000230-31-9	70
5	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122120\
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Operator : CG/JU
Sample : L5134-01DL 5X
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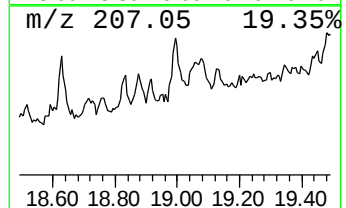
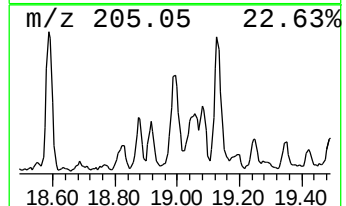
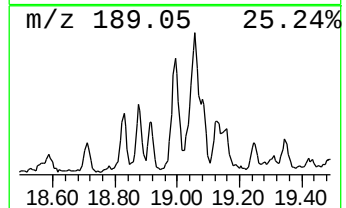
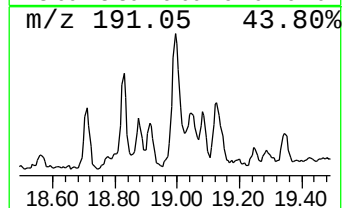
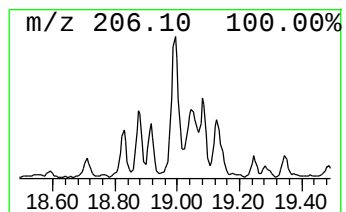
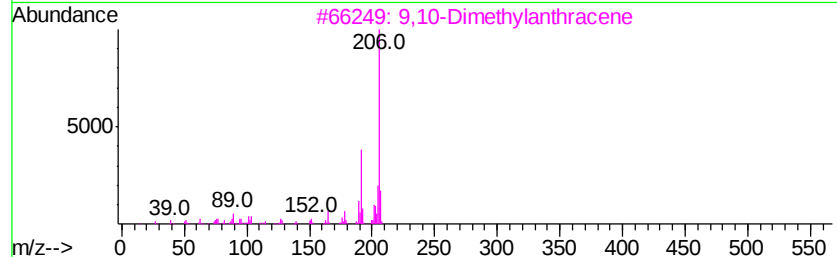
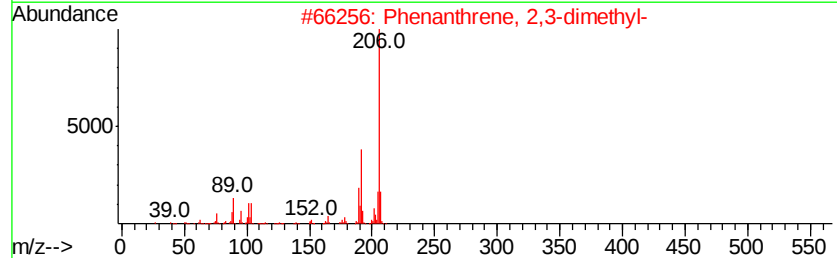
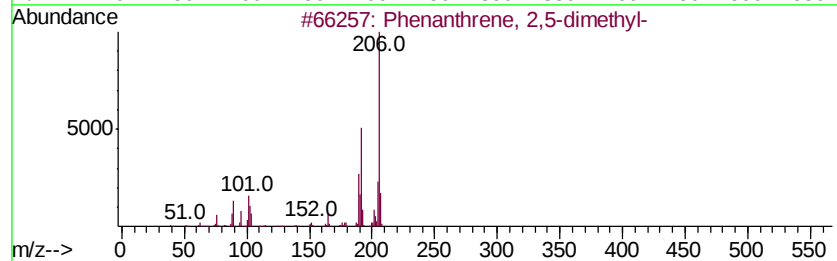
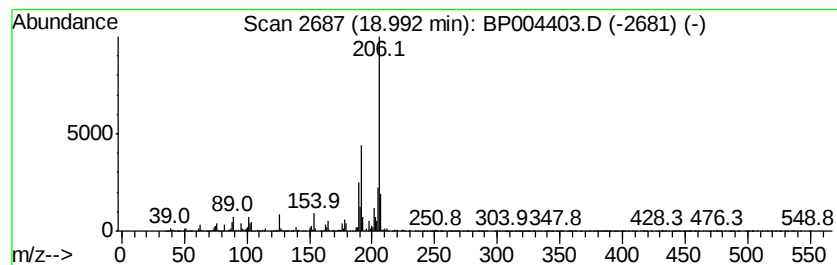
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.17 ng/ul	288022	Phenanthrene-d10	17.23

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	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122120\
Data File : BP004403.D
Acq On : 21 Dec 2020 11:24
Operator : CG/JU
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Misc :
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Instrument :
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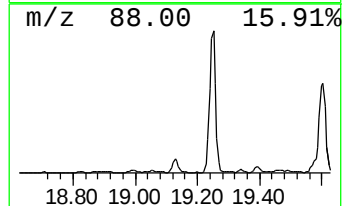
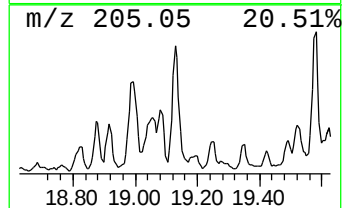
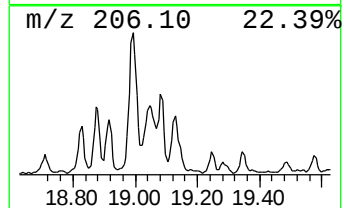
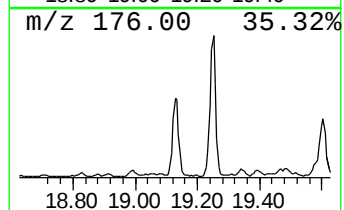
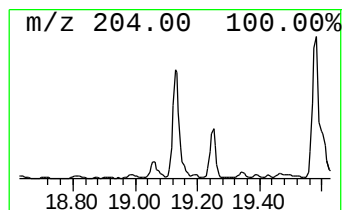
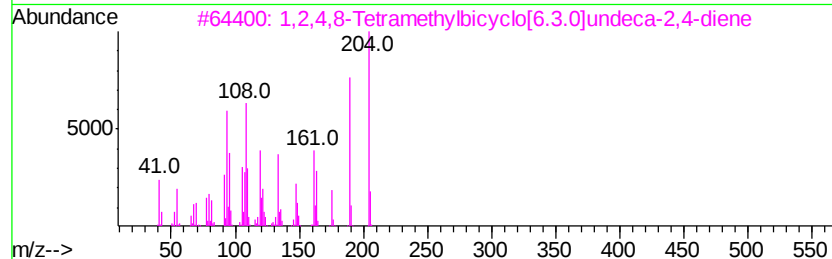
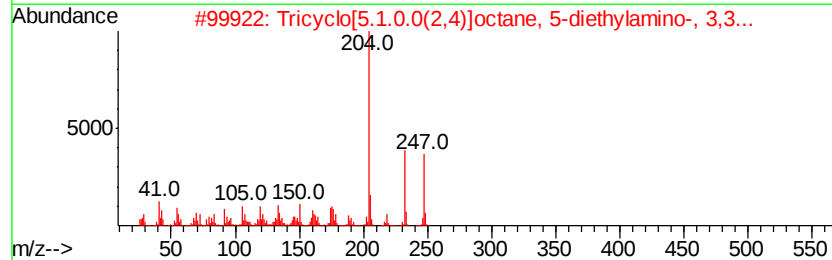
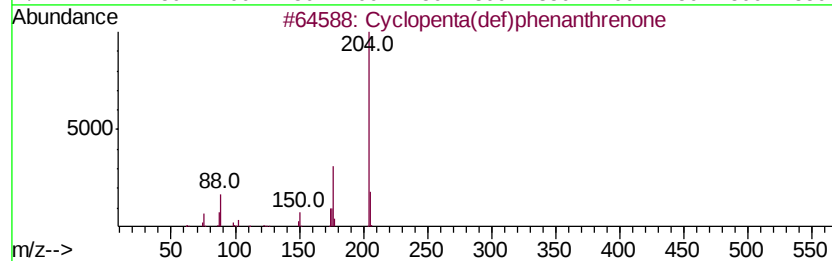
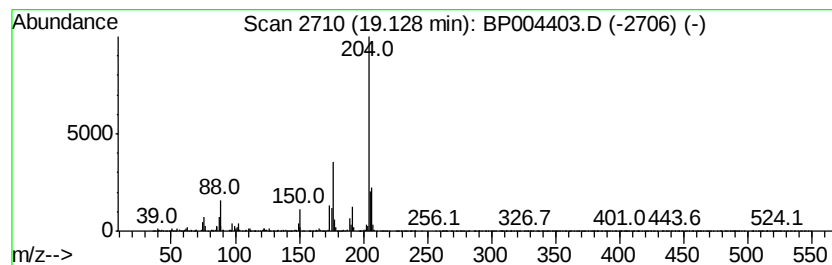
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.86 ng/ul	379307	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	49
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122120\
Data File : BP004403.D
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Operator : CG/JU
Sample : L5134-01DL 5X
Misc :
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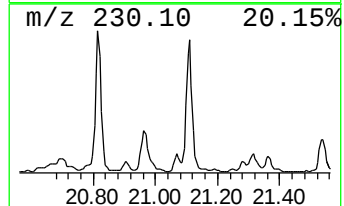
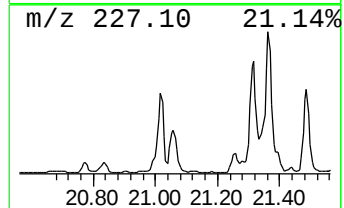
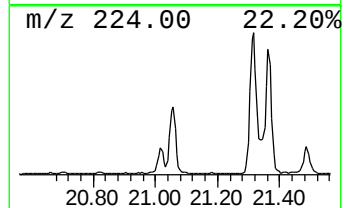
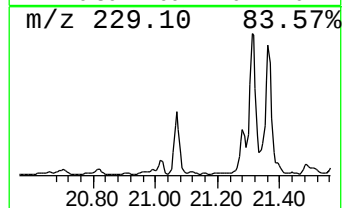
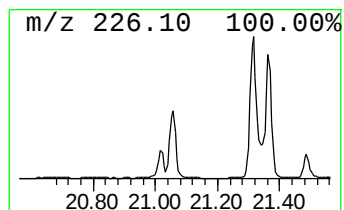
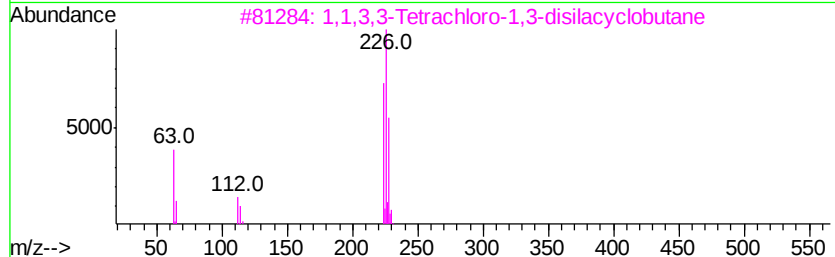
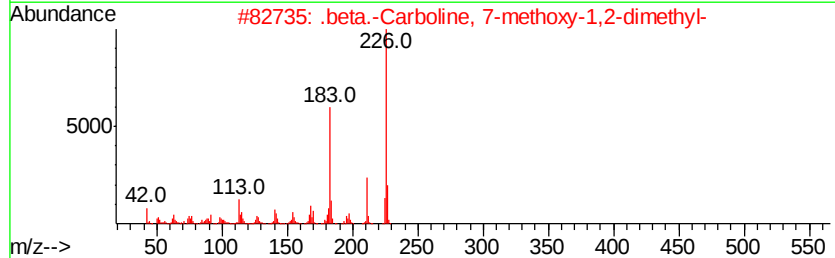
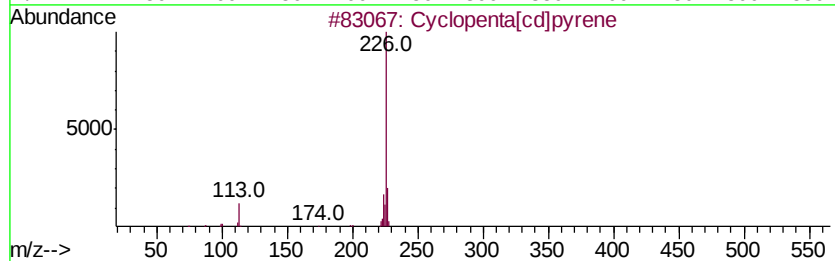
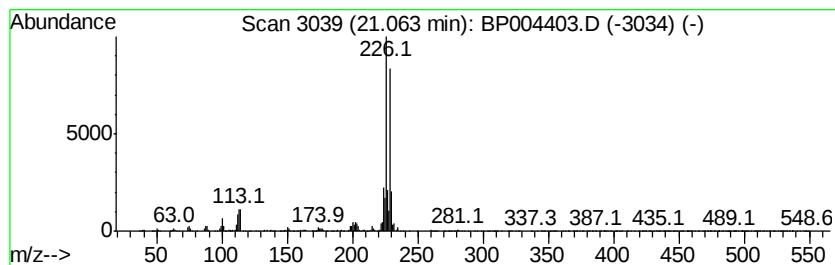
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.06	2.12 ng/ul	669163	Chrysene-d12	21.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3		1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	40
4		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	35
5		2-Amino-4,5-dihydronaphtho[2,1-b...	226	C13H10N2S	037071-20-8	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122120\
Data File : BP004403.D
Acq On : 21 Dec 2020 11:24
Operator : CG/JU
Sample : L5134-01DL 5X
Misc :
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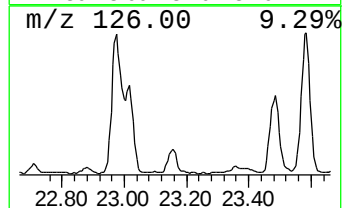
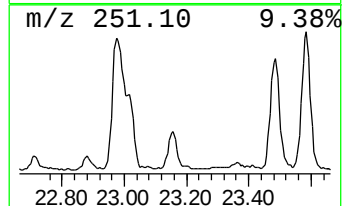
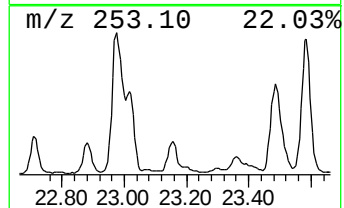
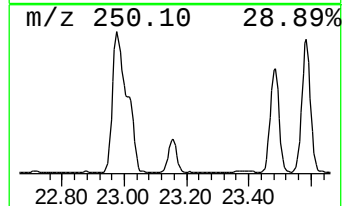
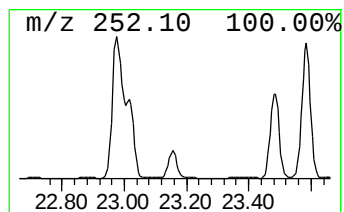
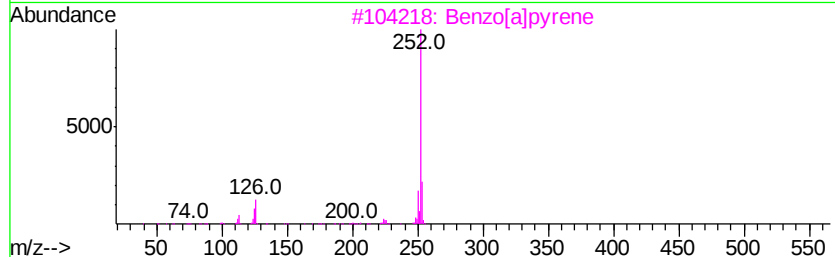
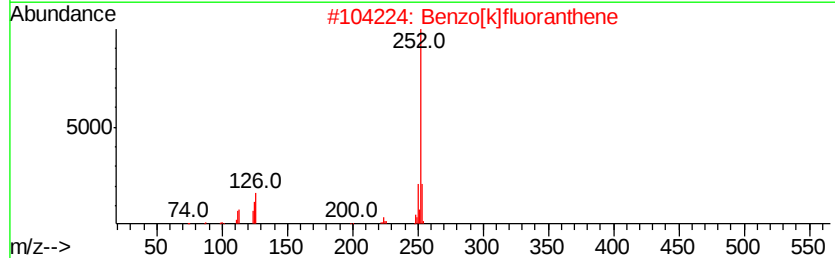
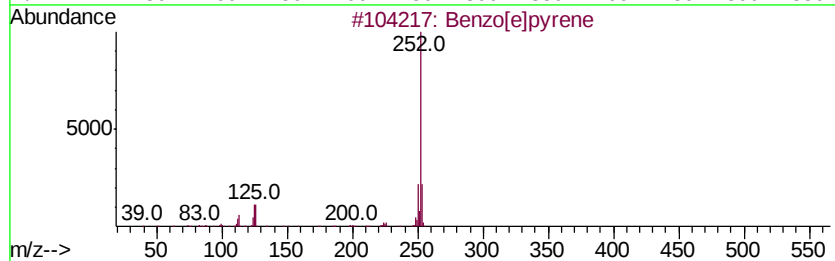
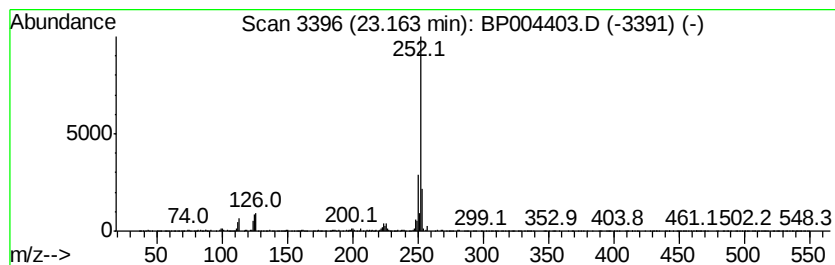
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	3.00 ng/ul	500956	Perylene-d12	23.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122120\
Data File : BP004403.D
Acq On : 21 Dec 2020 11:24
Operator : CG/JU
Sample : L5134-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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
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Phenanthrene, 2-m...	18.15	3.9	ng/ul	513060	4	17.23	2651060	20.0
4H-Cyclopenta[def...	18.29	5.1	ng/ul	680102	4	17.23	2651060	20.0
1,2,4,8-Tetrameth...	18.59	2.5	ng/ul	327069	4	17.23	2651060	20.0
9,10-Anthracenedione	18.63	2.2	ng/ul	287085	4	17.23	2651060	20.0
Phenanthrene, 2,5...	18.99	2.2	ng/ul	288022	4	17.23	2651060	20.0
Cyclopenta(def)ph...	19.13	2.9	ng/ul	379307	4	17.23	2651060	20.0
Cyclopenta[cd]pyrene	21.06	2.1	ng/ul	669163	5	21.33	6313020	20.0
Benzo[e]pyrene	23.16	3.0	ng/ul	500956	6	23.69	3343210	20.0