

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027083.D
 Acq On : 14 Aug 2020 11:16
 Operator : JU/CG
 Sample : L3630-06DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM73DL

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-BM080720MA.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	6.816	646	651	660	rVB	65345	106582	3.06%	0.304%
2	6.981	673	679	685	rBV	51500	80185	2.30%	0.229%
3	7.175	707	712	720	rBV	72019	111832	3.21%	0.319%
4	7.640	784	791	801	rBV	517771	783704	22.51%	2.237%
5	8.340	905	910	918	rBV	78779	129301	3.71%	0.369%
6	8.781	978	985	996	rVB	65969	110470	3.17%	0.315%
7	9.498	1101	1107	1115	rBV	45668	74782	2.15%	0.213%
8	10.034	1192	1198	1205	rBV	83848	140296	4.03%	0.401%
9	10.410	1254	1262	1268	rBV	640358	1059169	30.42%	3.024%
10	10.457	1268	1270	1277	rVB	40929	58022	1.67%	0.166%
11	10.545	1278	1285	1295	rBV	58167	103096	2.96%	0.294%
12	12.081	1539	1546	1553	rVB	39861	61485	1.77%	0.176%
13	12.298	1578	1583	1592	rVB	33368	52943	1.52%	0.151%
14	13.592	1798	1803	1808	rBV	31980	51197	1.47%	0.146%
15	13.651	1808	1813	1815	rVV	22710	32427	0.93%	0.093%
16	13.686	1815	1819	1824	rVV	155102	209648	6.02%	0.598%
17	13.963	1859	1866	1870	rBV	171184	263236	7.56%	0.751%
18	14.275	1911	1919	1925	rBV	988268	1436089	41.24%	4.100%
19	14.333	1925	1929	1937	rVV	188074	274037	7.87%	0.782%
20	14.474	1947	1953	1960	rBV5	25299	51066	1.47%	0.146%
21	14.586	1963	1972	1978	rVB2	19359	31035	0.89%	0.089%
22	14.674	1978	1987	1995	rVB	142425	221358	6.36%	0.632%
23	15.269	2082	2088	2093	rVV	223874	319989	9.19%	0.913%
24	15.321	2093	2097	2103	rVV2	202492	282788	8.12%	0.807%
25	15.392	2103	2109	2111	rVV5	20968	36036	1.03%	0.103%
26	15.416	2111	2113	2116	rVV2	19652	29906	0.86%	0.085%
27	15.451	2116	2119	2122	rVV2	29053	43446	1.25%	0.124%
28	15.486	2122	2125	2130	rVV	36680	55729	1.60%	0.159%
29	15.574	2136	2140	2143	rVV	23265	35223	1.01%	0.101%
30	15.621	2143	2148	2158	rVV	70520	106129	3.05%	0.303%
31	15.769	2168	2173	2181	rVV	72528	156951	4.51%	0.448%
32	15.857	2181	2188	2193	rVB5	17540	33840	0.97%	0.097%
33	15.998	2204	2212	2218	rVB10	13823	34891	1.00%	0.100%
34	16.304	2255	2264	2265	rBV3	31328	55084	1.58%	0.157%

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35	16.327	2265	2268	2273	rVV2	37561	57134	1.64%	0.163%
36	16.380	2273	2277	2282	rVB2	21504	32855	0.94%	0.094%
37	16.474	2288	2293	2299	rVB5	16856	36986	1.06%	0.106%
38	16.563	2299	2308	2311	rBV3	39675	83100	2.39%	0.237%
39	16.598	2311	2314	2317	rVB3	29044	33922	0.97%	0.097%
40	16.668	2322	2326	2335	rVB	81169	128522	3.69%	0.367%
41	16.757	2335	2341	2342	rBV	43832	57363	1.65%	0.164%
42	16.833	2350	2354	2359	rVB	77321	103077	2.96%	0.294%
43	17.015	2379	2385	2388	rBV	1211850	1640782	47.12%	4.684%
44	17.057	2388	2392	2397	rVV	1732082	2273184	65.28%	6.489%
45	17.115	2397	2402	2404	rVV	288529	414393	11.90%	1.183%
46	17.145	2404	2407	2413	rVV	402242	585156	16.80%	1.670%
47	17.210	2413	2418	2424	rVB4	35517	57772	1.66%	0.165%
48	17.415	2443	2453	2458	rBV2	183217	309995	8.90%	0.885%
49	17.598	2481	2484	2488	rVB6	25139	29817	0.86%	0.085%
50	17.892	2524	2534	2538	rBV	215124	326423	9.37%	0.932%
51	17.939	2538	2542	2549	rVB	328173	471120	13.53%	1.345%
52	18.021	2549	2556	2561	rBV	126108	204227	5.87%	0.583%
53	18.086	2561	2567	2571	rBV3	253512	476682	13.69%	1.361%
54	18.121	2571	2573	2578	rVB	134412	162456	4.67%	0.464%
55	18.192	2581	2585	2590	rBV3	20019	33434	0.96%	0.095%
56	18.239	2590	2593	2598	rVB2	28433	36108	1.04%	0.103%
57	18.398	2615	2620	2623	rVV	149699	201081	5.77%	0.574%
58	18.433	2623	2626	2631	rVB	116312	147792	4.24%	0.422%
59	18.645	2658	2662	2666	rBV	52636	70246	2.02%	0.201%
60	18.698	2668	2671	2674	rVV	44357	55757	1.60%	0.159%
61	18.739	2674	2678	2681	rVB2	46418	65222	1.87%	0.186%
62	18.815	2686	2691	2696	rBV2	106194	188070	5.40%	0.537%
63	18.886	2697	2703	2705	rVV4	68702	120753	3.47%	0.345%
64	18.909	2705	2707	2711	rVV	45827	63991	1.84%	0.183%
65	18.957	2711	2715	2724	rVB3	86349	164064	4.71%	0.468%
66	19.080	2730	2736	2742	rVB	1834146	2343495	67.30%	6.690%
67	19.180	2750	2753	2758	rVB4	46587	63695	1.83%	0.182%
68	19.280	2765	2770	2773	rBV4	40558	76229	2.19%	0.218%
69	19.321	2774	2777	2782	rVB	47421	61222	1.76%	0.175%
70	19.415	2788	2793	2795	rBV2	697649	1055118	30.30%	3.012%
71	19.445	2795	2798	2806	rVV	1373818	1842786	52.92%	5.261%

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72	19.515	2806	2810	2818	rVB2	112498	199461	5.73%	0.569%
73	19.627	2825	2829	2834	rBV	131663	154972	4.45%	0.442%
74	19.686	2835	2839	2845	rVB	79004	131537	3.78%	0.375%
75	19.780	2848	2855	2859	rBV2	123230	321436	9.23%	0.918%
76	19.909	2873	2877	2879	rBV3	101200	156703	4.50%	0.447%
77	19.945	2879	2883	2887	rVB	253109	370571	10.64%	1.058%
78	20.045	2896	2900	2903	rBV	148734	185002	5.31%	0.528%
79	20.104	2904	2910	2914	rVV3	207177	344155	9.88%	0.982%
80	20.145	2914	2917	2921	rVB	56694	65994	1.90%	0.188%
81	20.186	2921	2924	2928	rBV2	53095	73355	2.11%	0.209%
82	20.239	2930	2933	2937	rBV	101411	124457	3.57%	0.355%
83	20.286	2937	2941	2948	rBV2	92895	149860	4.30%	0.428%
84	20.503	2975	2978	2980	rBV4	40282	54962	1.58%	0.157%
85	20.692	3007	3010	3017	rVB	174772	235651	6.77%	0.673%
86	20.856	3032	3038	3042	rBV2	131758	265745	7.63%	0.759%
87	20.898	3042	3045	3048	rVV	179243	214614	6.16%	0.613%
88	20.951	3048	3054	3057	rVV2	176516	338759	9.73%	0.967%
89	20.986	3057	3060	3069	rVB2	184068	284250	8.16%	0.811%
90	21.209	3092	3098	3102	rBV2	1916136	3482039	100.00%	9.940%
91	21.251	3102	3105	3113	rVB	830888	1076145	30.91%	3.072%
92	21.368	3122	3125	3130	rBV	108243	167857	4.82%	0.479%
93	21.521	3147	3151	3157	rBV3	169187	307401	8.83%	0.878%
94	21.756	3189	3191	3196	rVB	202978	246288	7.07%	0.703%
95	22.762	3356	3362	3366	rBV	604324	1396013	40.09%	3.985%
96	22.927	3387	3390	3397	rVB	145836	208546	5.99%	0.595%
97	23.221	3436	3440	3445	rBV	310405	525538	15.09%	1.500%
98	23.274	3446	3449	3452	rVV	159525	225584	6.48%	0.644%
99	23.315	3452	3456	3465	rVB	558671	1060717	30.46%	3.028%
100	23.409	3466	3472	3478	rBV	1023579	1956429	56.19%	5.585%

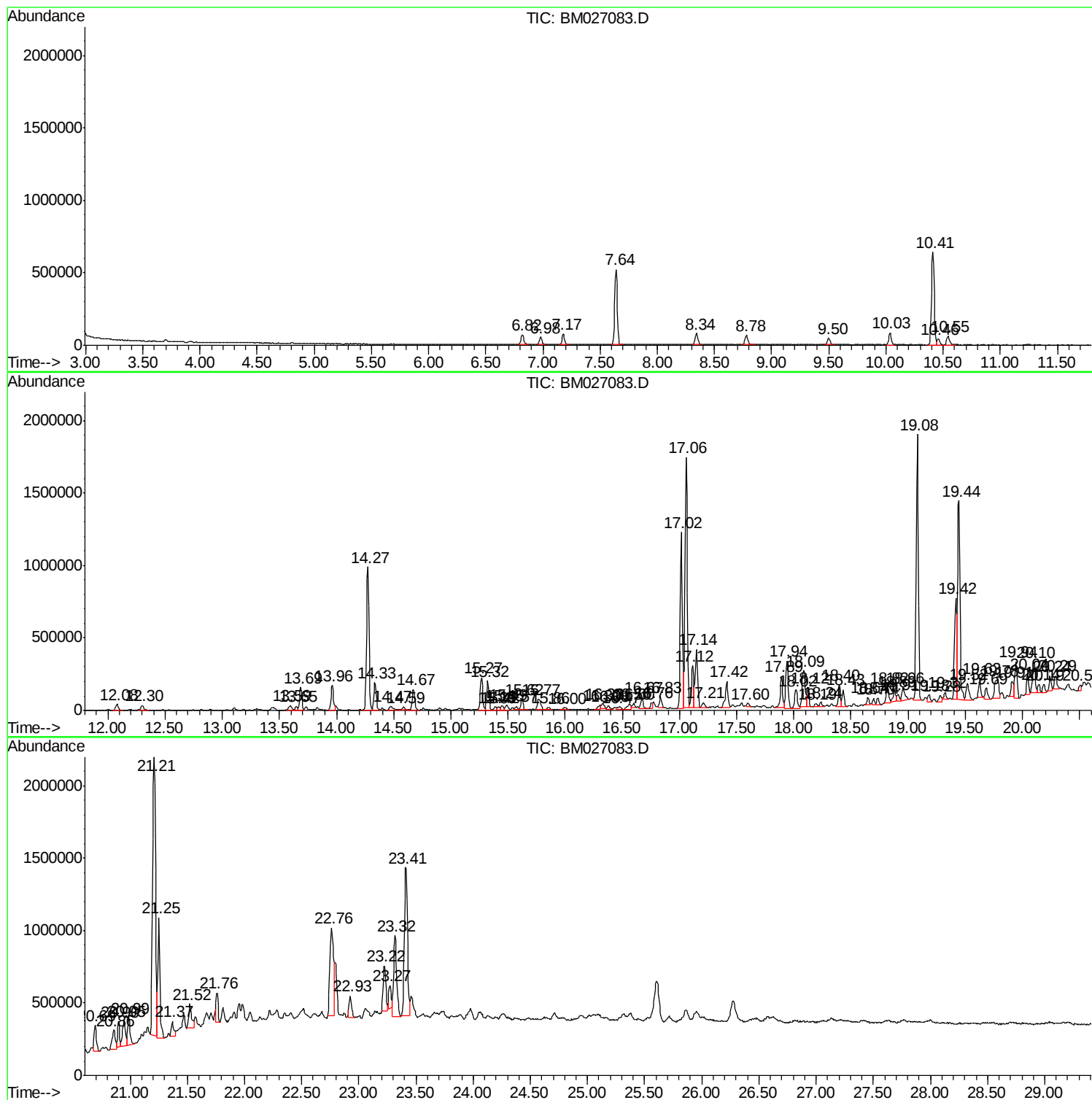
Sum of corrected areas: 35030042

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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



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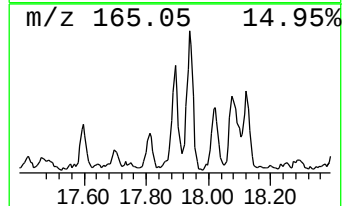
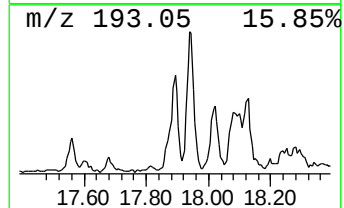
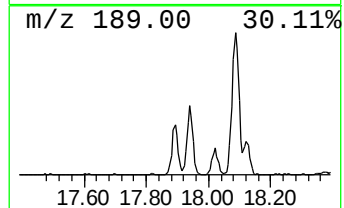
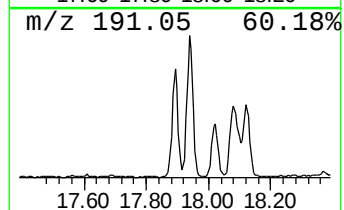
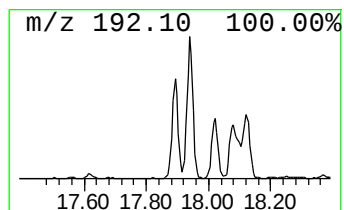
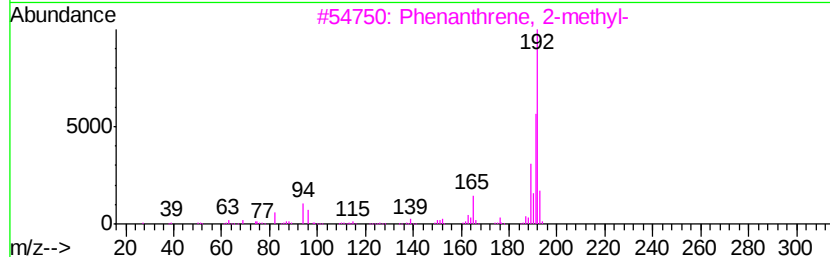
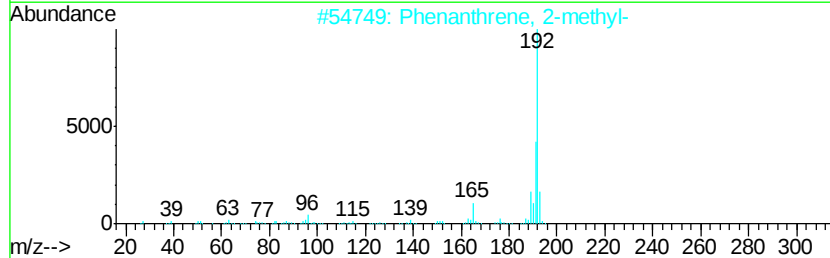
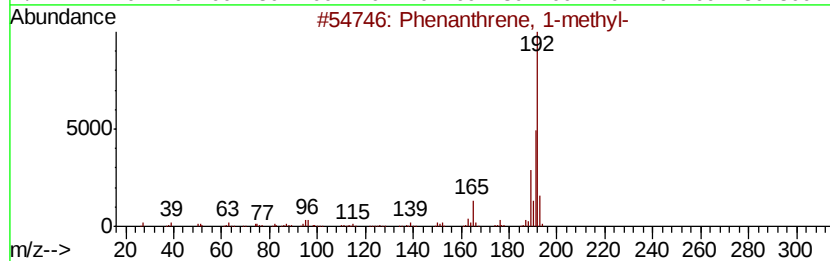
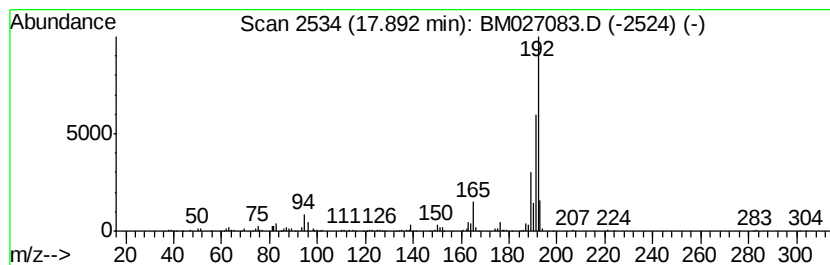
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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.
17.89	3.98 ng/ul	326423	Phenanthrene-d10	17.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



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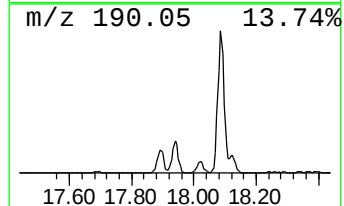
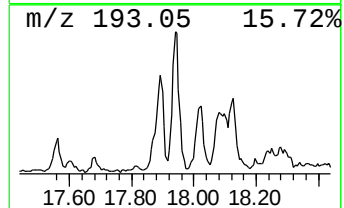
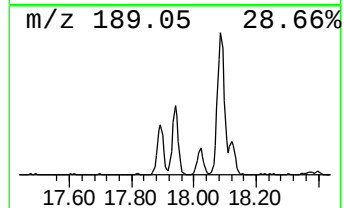
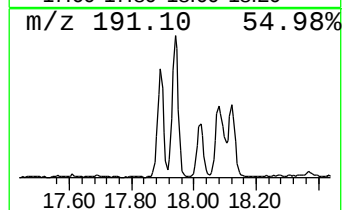
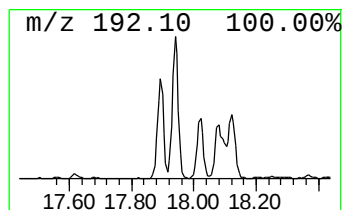
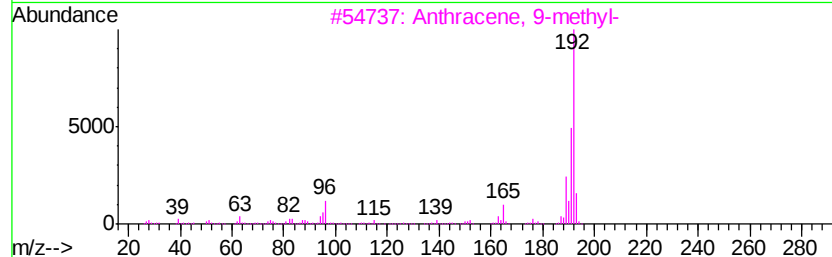
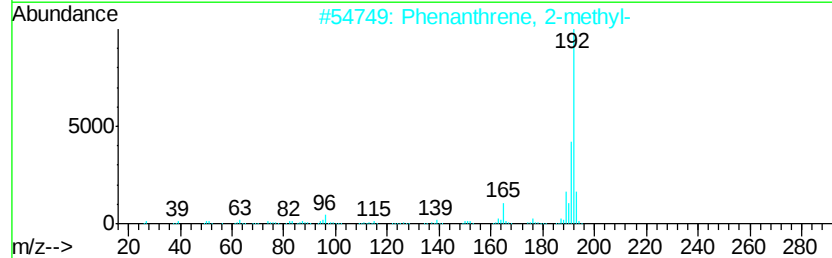
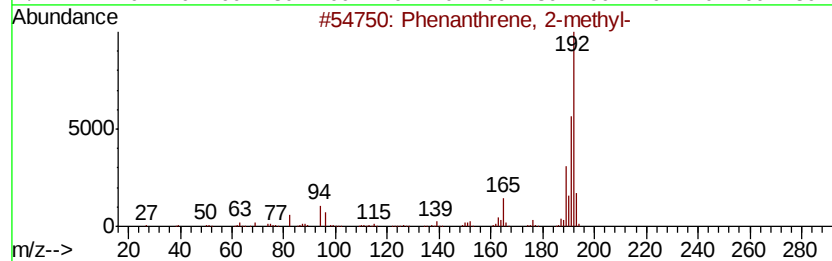
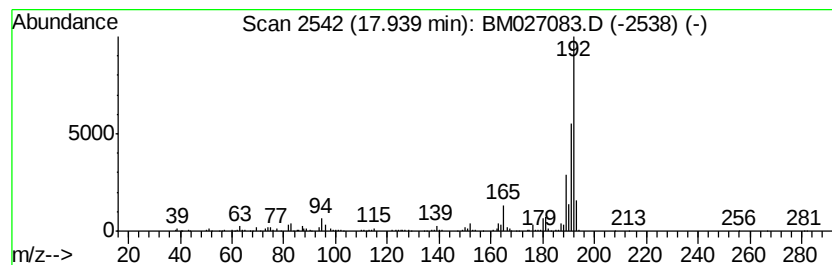
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.74 ng/ul	471120	Phenanthrene-d10	17.02

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		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



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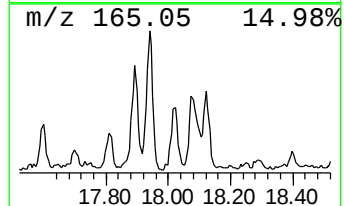
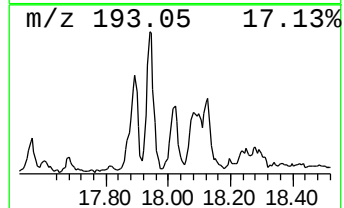
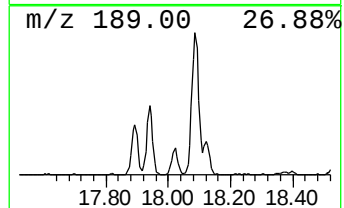
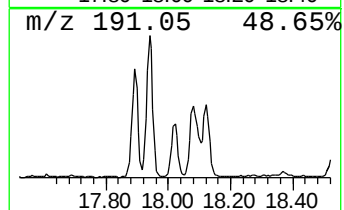
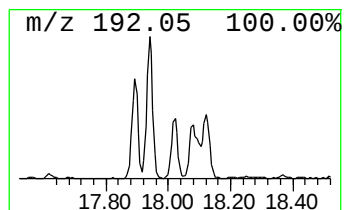
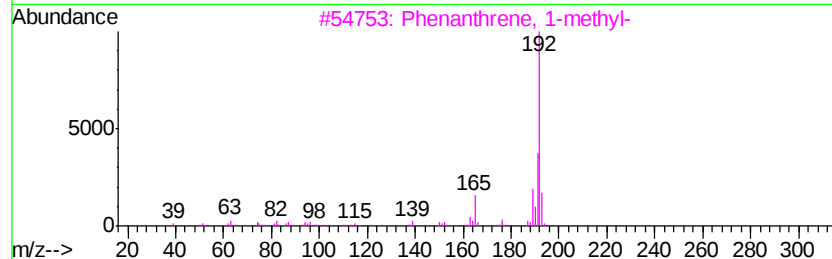
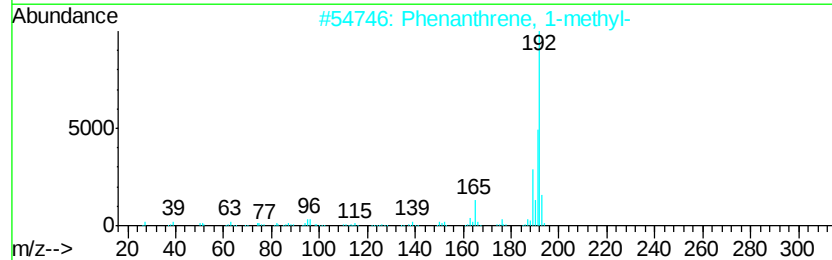
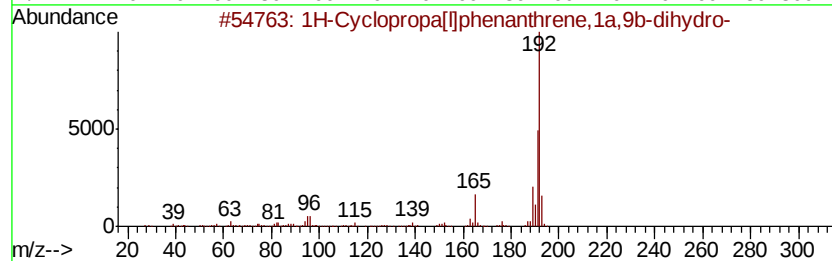
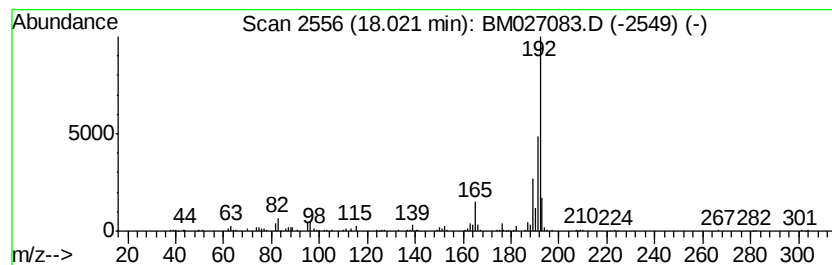
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.49 ng/ul	204227	Phenanthrene-d10	17.02

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



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Operator : JU/CG
Sample : L3630-06DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

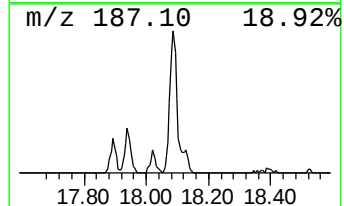
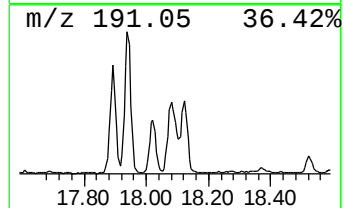
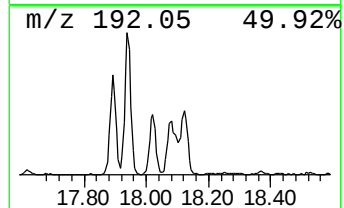
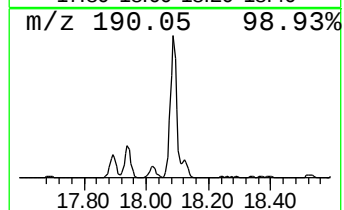
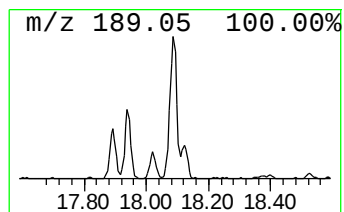
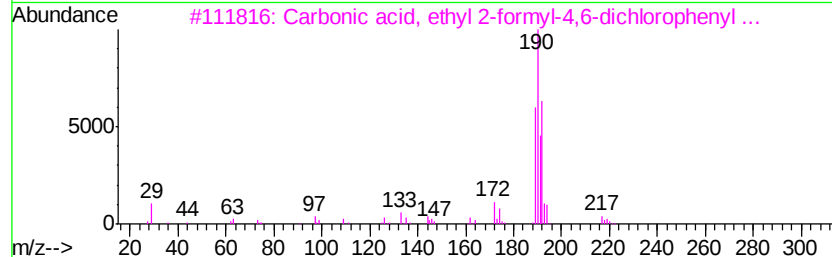
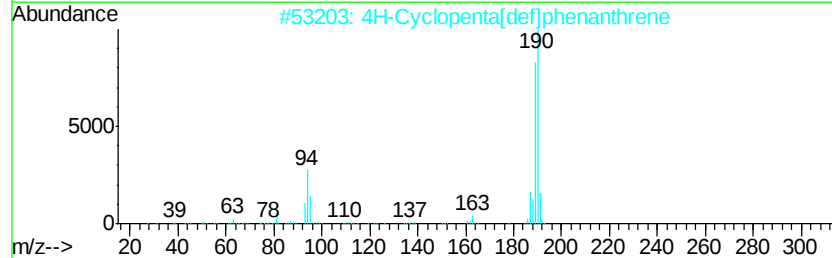
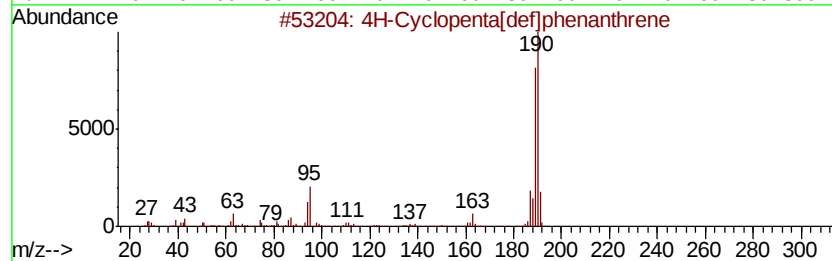
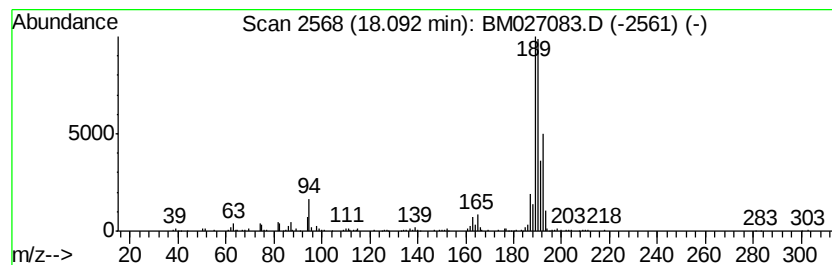
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.09	5.81 ng/ul	476682	Phenanthrene-d10	17.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027083.D
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Sample : L3630-06DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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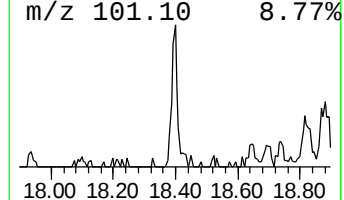
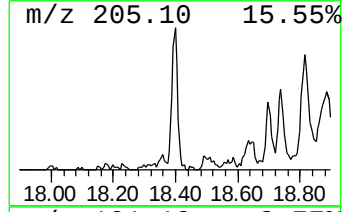
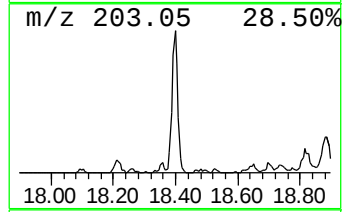
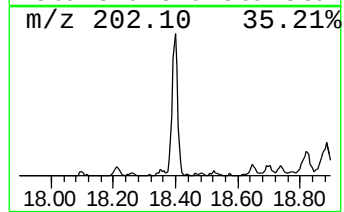
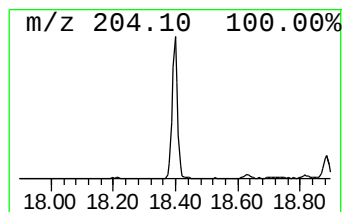
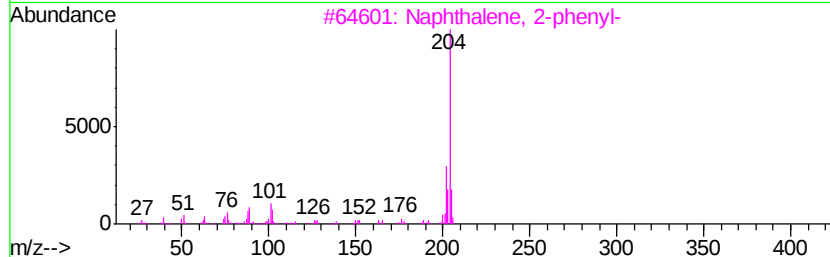
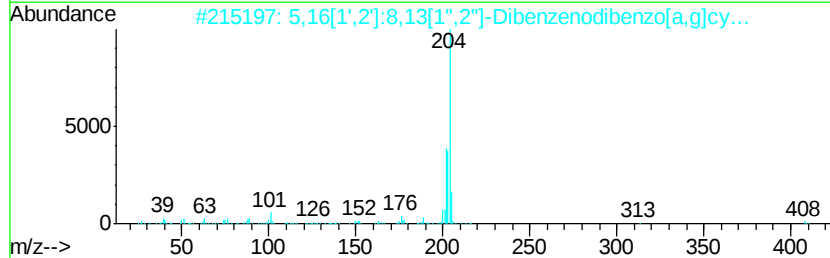
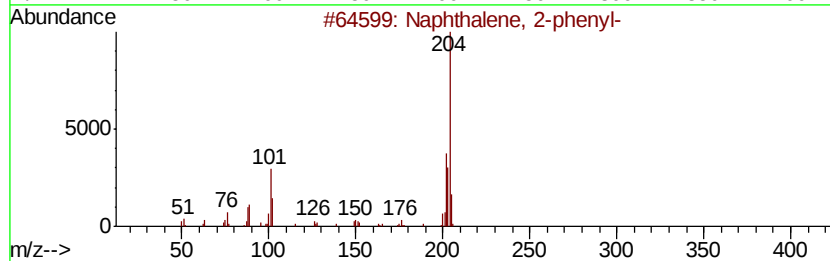
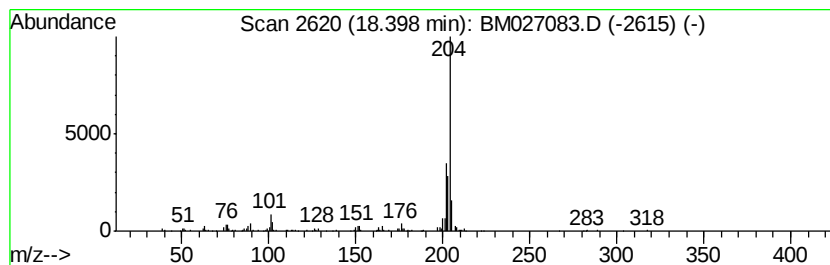
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.45 ng/ul	201081	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027083.D
Acq On : 14 Aug 2020 11:16
Operator : JU/CG
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Misc :
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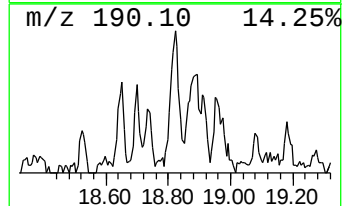
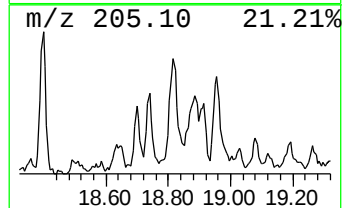
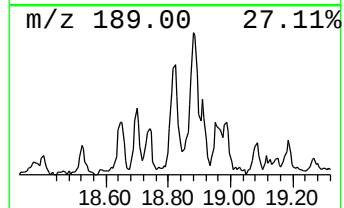
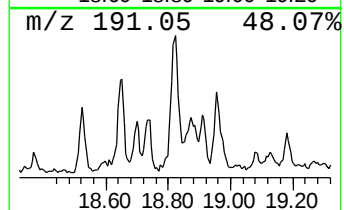
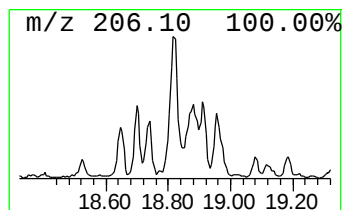
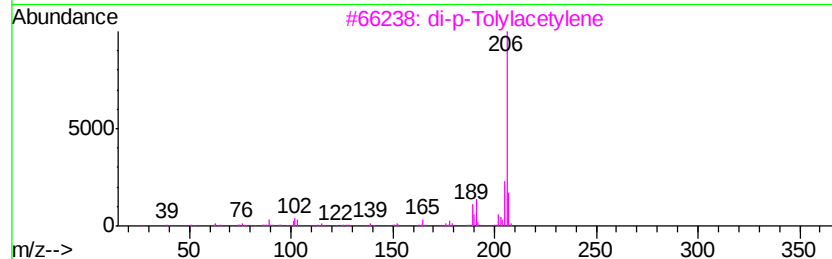
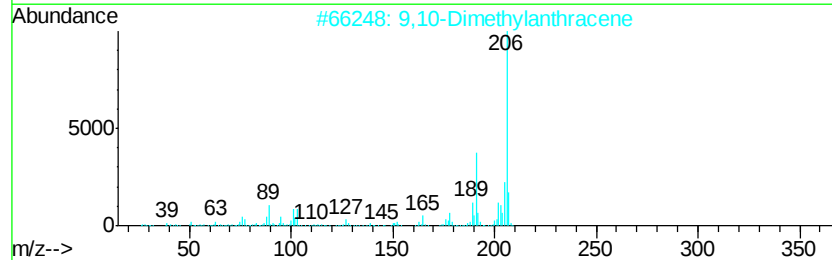
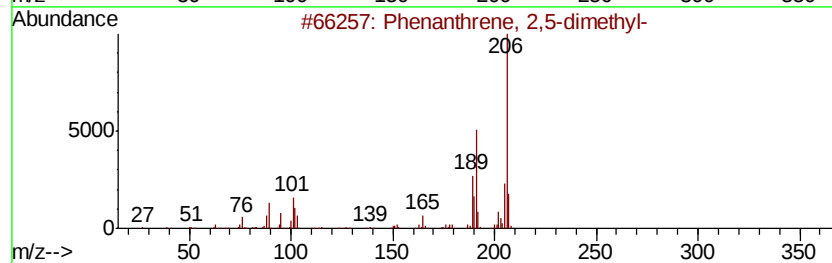
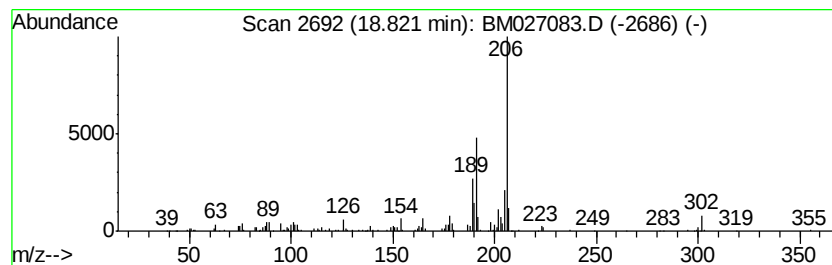
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.29 ng/ul	188070	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027083.D
Acq On : 14 Aug 2020 11:16
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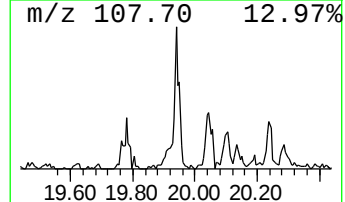
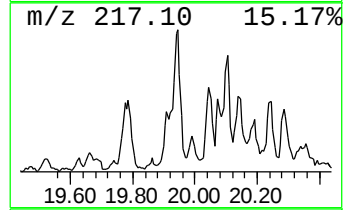
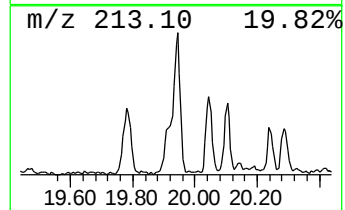
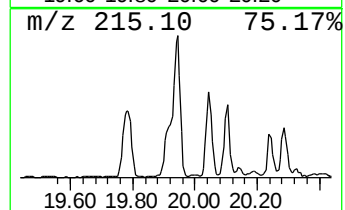
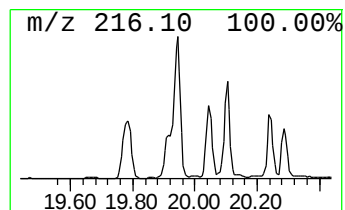
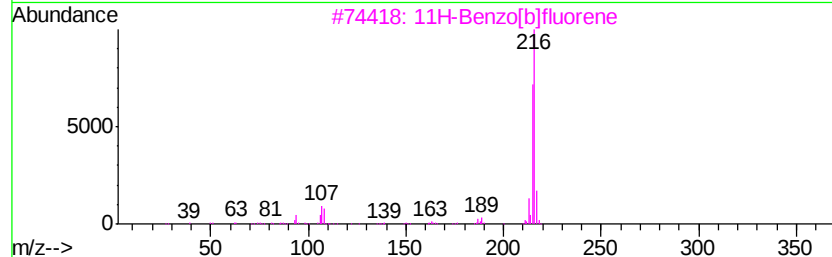
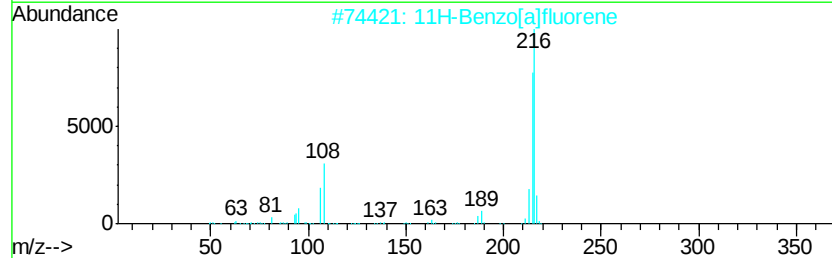
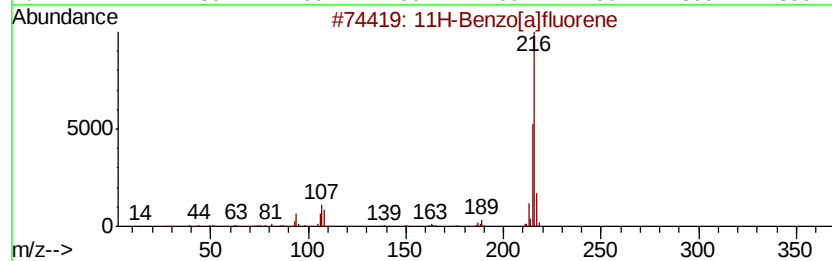
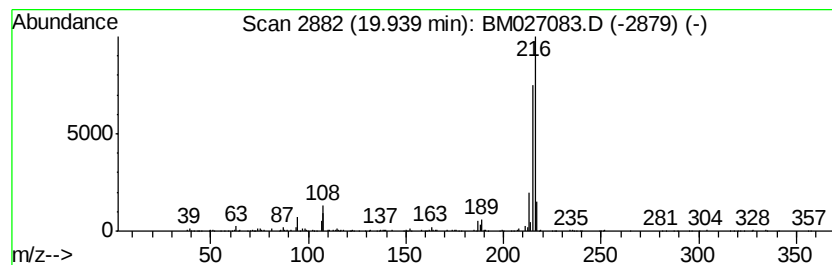
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.13 ng/ul	370571	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
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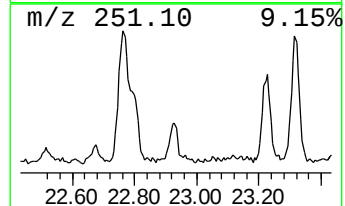
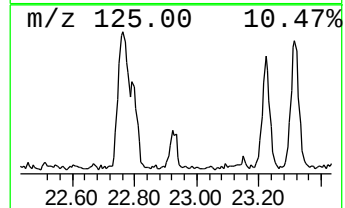
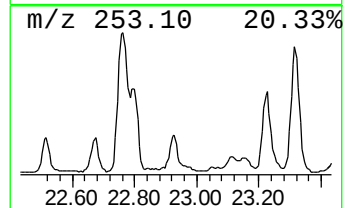
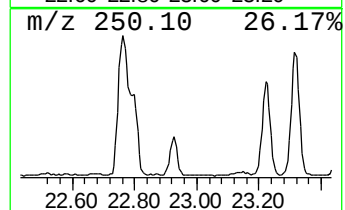
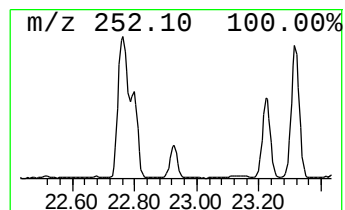
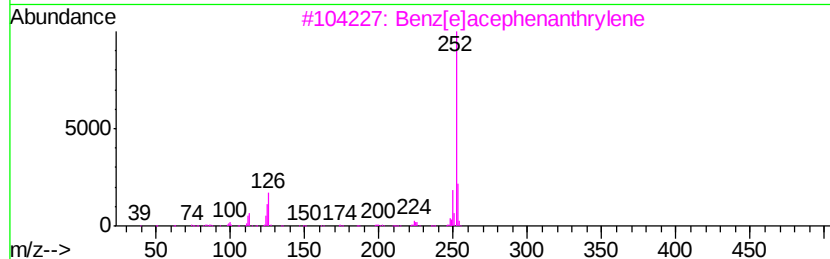
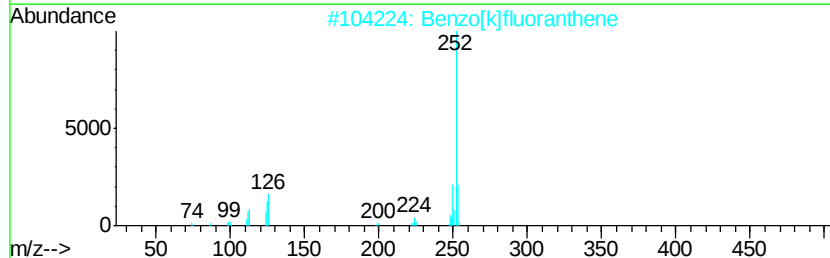
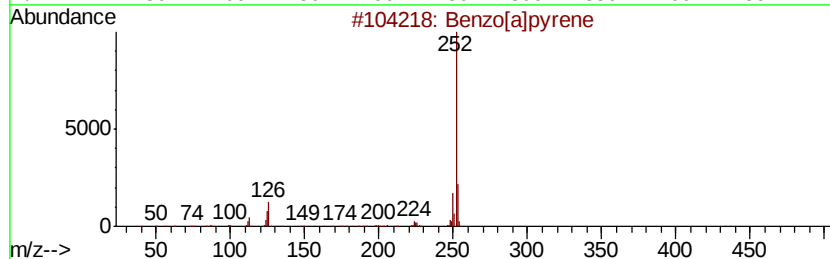
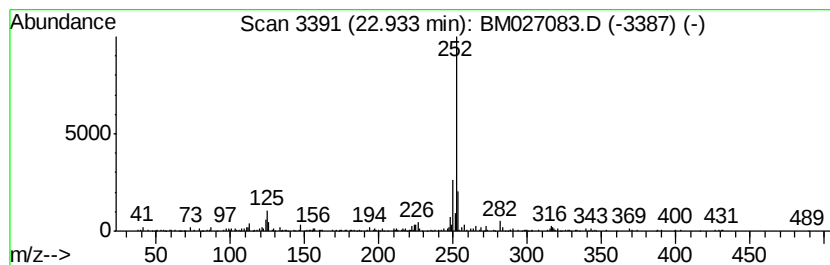
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	2.13 ng/ul	208546	Perylene-d12	23.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[a]pyrene	252 C20H12	000050-32-8	76
2	Benzo[k]fluoranthene	252 C20H12	000207-08-9	76
3	Benzo[e]acephenanthrylene	252 C20H12	000205-99-2	74
4	Benzo[e]pyrene	252 C20H12	000192-97-2	74
5	Benzo[e]acephenanthrylene	252 C20H12	000205-99-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027083.D
Acq On : 14 Aug 2020 11:16
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ClientSampleId :
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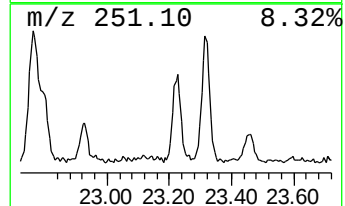
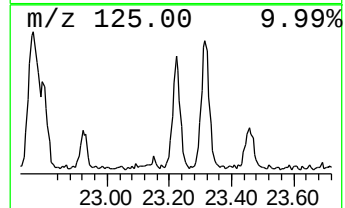
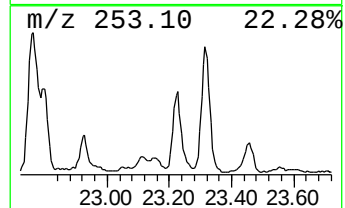
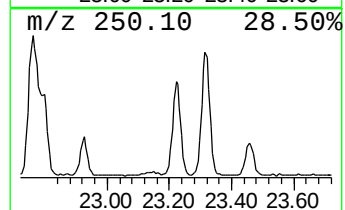
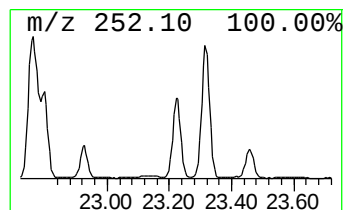
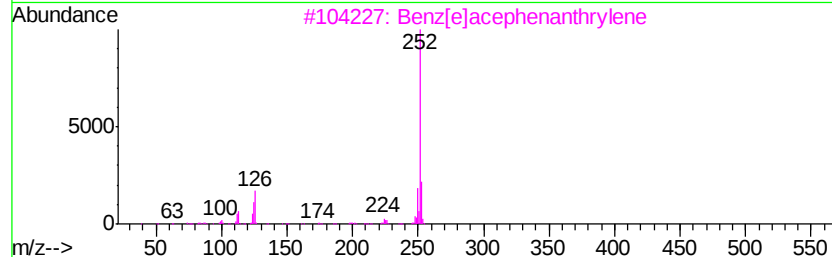
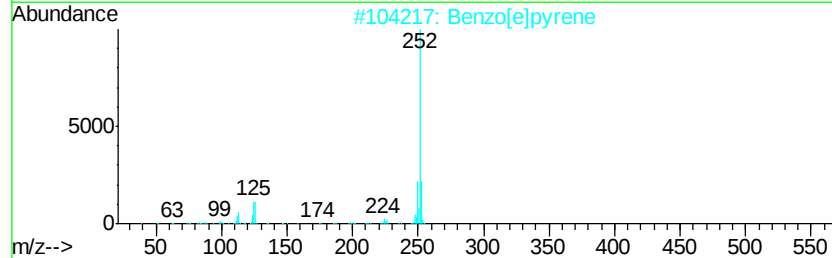
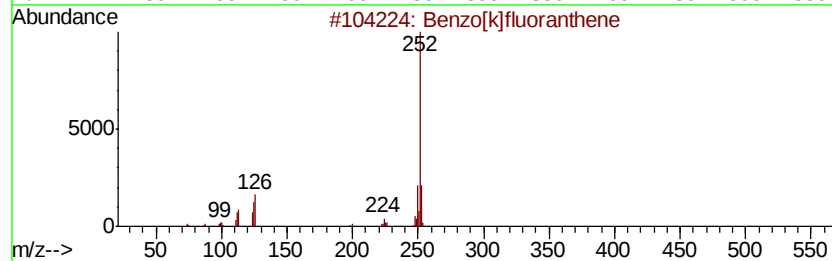
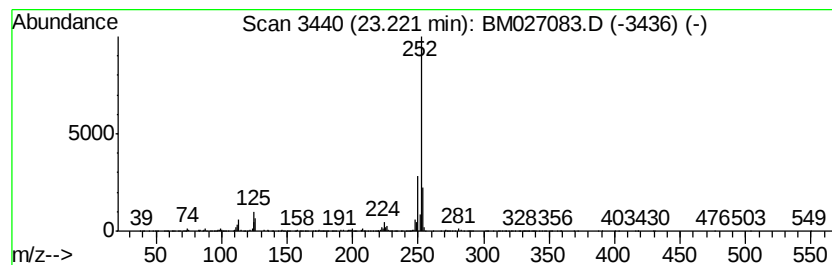
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.22	5.37 ng/ul	525538	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2		Benzo[e]pyrene	252	C20H12	000192-97-2	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081320\
Data File : BM027083.D
Acq On : 14 Aug 2020 11:16
Operator : JU/CG
Sample : L3630-06DL 5X
Misc :
ALS Vial : 29 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
Phenanthrene, 1-m...	17.89	4.0	ng/ul	326423	4	17.02	1640780	20.0
Phenanthrene, 2-m...	17.94	5.7	ng/ul	471120	4	17.02	1640780	20.0
1H-Cyclopropa[l]p...	18.02	2.5	ng/ul	204227	4	17.02	1640780	20.0
4H-Cyclopenta[def...	18.09	5.8	ng/ul	476682	4	17.02	1640780	20.0
Naphthalene, 2-ph...	18.40	2.5	ng/ul	201081	4	17.02	1640780	20.0
Phenanthrene, 2,5...	18.82	2.3	ng/ul	188070	4	17.02	1640780	20.0
11H-Benzo[a]fluorene	19.94	2.1	ng/ul	370571	5	21.22	3482040	20.0
Benzo[e]pyrene	22.93	2.1	ng/ul	208546	6	23.41	1956430	20.0
Perylene	23.22	5.4	ng/ul	525538	6	23.41	1956430	20.0