

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005595.D
 Acq On : 22 May 2016 20:15
 Operator : UM/SJ
 Sample : H3087-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK6

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.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	2.634	3	8	16	rVB	14679	26027	1.16%	0.099%
2	6.981	737	747	758	rVB	172139	281295	12.49%	1.070%
3	7.146	769	775	784	rVB	142763	220776	9.80%	0.840%
4	7.346	803	809	816	rVB	174041	284211	12.62%	1.081%
5	7.810	879	888	896	rBV	221583	349752	15.53%	1.331%
6	8.510	999	1007	1016	rBV	191151	317050	14.08%	1.206%
7	8.628	1022	1027	1034	rVB	15578	25064	1.11%	0.095%
8	8.963	1077	1084	1092	rBV	178793	297496	13.21%	1.132%
9	9.687	1200	1207	1213	rBV	151307	252255	11.20%	0.960%
10	10.222	1292	1298	1308	rBV	238372	389909	17.31%	1.483%
11	10.598	1354	1362	1370	rBV	352876	592606	26.31%	2.255%
12	10.734	1378	1385	1398	rBV	219270	375242	16.66%	1.428%
13	13.851	1909	1915	1920	rBV	509849	692336	30.74%	2.634%
14	13.898	1920	1923	1933	rVB	93120	119332	5.30%	0.454%
15	14.133	1957	1963	1975	rVB	559576	840994	37.34%	3.200%
16	14.345	1992	1999	2003	rVB	16941	23285	1.03%	0.089%
17	14.445	2008	2016	2024	rBV2	588229	891878	39.60%	3.393%
18	14.639	2043	2049	2060	rBV	187815	278403	12.36%	1.059%
19	15.292	2156	2160	2165	rVB	28652	36070	1.60%	0.137%
20	15.433	2178	2184	2191	rBV	757135	1101462	48.91%	4.191%
21	15.551	2198	2204	2210	rBV	149006	202859	9.01%	0.772%
22	16.151	2301	2306	2319	rBV2	46831	84146	3.74%	0.320%
23	17.186	2476	2482	2486	rBV2	806961	1208612	53.67%	4.598%
24	17.227	2486	2489	2493	rVV	167608	218669	9.71%	0.832%
25	17.280	2493	2498	2510	rVB2	881163	1283767	57.00%	4.884%
26	18.057	2622	2630	2634	rBV	35143	50113	2.23%	0.191%
27	18.104	2634	2638	2644	rVB	52036	69531	3.09%	0.265%
28	18.251	2657	2663	2667	rBV2	76533	125031	5.55%	0.476%
29	18.286	2667	2669	2675	rVB	26382	32680	1.45%	0.124%
30	18.557	2709	2715	2719	rBV	66576	90625	4.02%	0.345%
31	18.598	2719	2722	2729	rVB2	22467	30355	1.35%	0.115%
32	18.974	2782	2786	2791	rBV	28620	45034	2.00%	0.171%
33	19.027	2791	2795	2799	rVV3	15916	24699	1.10%	0.094%
34	19.068	2799	2802	2804	rVV2	21630	24523	1.09%	0.093%

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Integration Parameters: LSCINT.P

Integrator: RTE
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35	19.109	2804	2809	2818	rVB2	61512	124000	5.51%	0.472%
36	19.239	2823	2831	2837	rVB	1494331	1990696	88.39%	7.574%
37	19.304	2837	2842	2845	rBV3	20143	29477	1.31%	0.112%
38	19.333	2845	2847	2852	rVB2	20857	22627	1.00%	0.086%
39	19.380	2852	2855	2859	rBV4	47403	59379	2.64%	0.226%
40	19.439	2859	2865	2867	rBV5	24825	42088	1.87%	0.160%
41	19.480	2870	2872	2877	rVB	23337	27151	1.21%	0.103%
42	19.574	2882	2888	2891	rBV2	1364066	2123640	94.30%	8.079%
43	19.604	2891	2893	2901	rVV	796933	882854	39.20%	3.359%
44	19.668	2901	2904	2910	rVB2	38570	53442	2.37%	0.203%
45	19.780	2918	2923	2927	rBV	74551	108427	4.81%	0.413%
46	19.833	2927	2932	2939	rVB2	57531	99995	4.44%	0.380%
47	19.933	2942	2949	2953	rBV4	64414	143492	6.37%	0.546%
48	20.062	2966	2971	2972	rBV2	52735	72768	3.23%	0.277%
49	20.092	2972	2976	2981	rVB2	150779	226302	10.05%	0.861%
50	20.139	2981	2984	2988	rBV2	34306	38319	1.70%	0.146%
51	20.192	2989	2993	2997	rBV	97990	136076	6.04%	0.518%
52	20.251	2997	3003	3007	rBV2	78536	132475	5.88%	0.504%
53	20.292	3007	3010	3014	rVB2	31540	34066	1.51%	0.130%
54	20.333	3014	3017	3020	rBV3	24457	36065	1.60%	0.137%
55	20.392	3024	3027	3030	rBV	34861	42335	1.88%	0.161%
56	20.556	3051	3055	3060	rBV8	17354	35662	1.58%	0.136%
57	20.686	3074	3077	3080	rVB4	34003	38631	1.72%	0.147%
58	20.839	3099	3103	3109	rVB	119257	167989	7.46%	0.639%
59	21.003	3125	3131	3135	rBV2	114032	214809	9.54%	0.817%
60	21.045	3135	3138	3140	rVV	96596	128085	5.69%	0.487%
61	21.074	3140	3143	3149	rVV3	141178	300969	13.36%	1.145%
62	21.133	3150	3153	3158	rVB2	101997	140421	6.24%	0.534%
63	21.356	3185	3191	3195	rBV	1489968	2252080	100.00%	8.568%
64	21.392	3195	3197	3208	rVB	454242	564754	25.08%	2.149%
65	21.968	3292	3295	3299	rVB3	80888	107729	4.78%	0.410%
66	22.550	3390	3394	3401	rVB	131809	204130	9.06%	0.777%
67	22.945	3455	3461	3466	rBV	413078	911044	40.45%	3.466%
68	23.433	3539	3544	3547	rBV	187474	338446	15.03%	1.288%
69	23.486	3547	3553	3559	rVV2	918499	1685913	74.86%	6.414%
70	23.633	3571	3578	3584	rBV	966196	1882032	83.57%	7.160%

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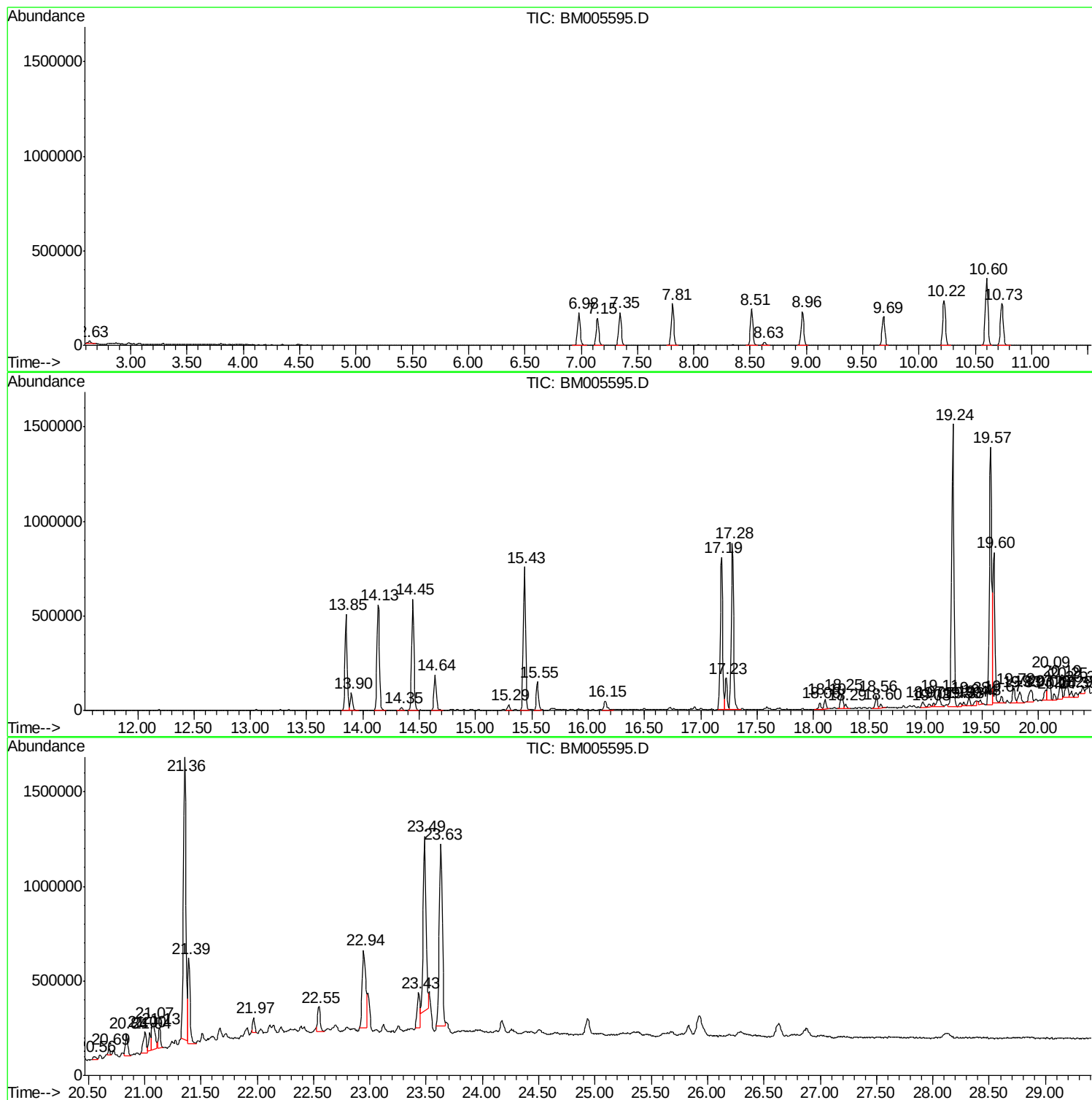
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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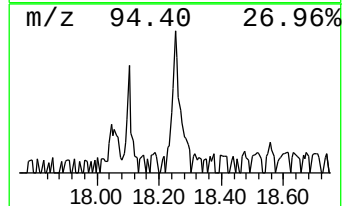
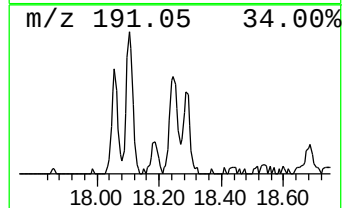
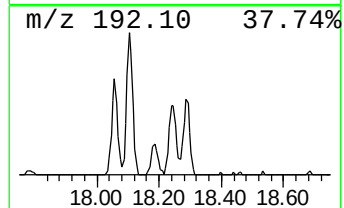
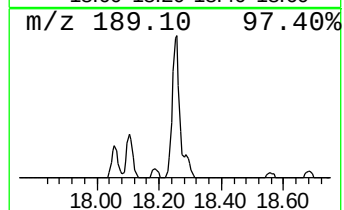
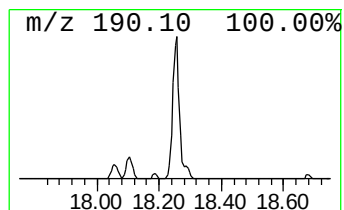
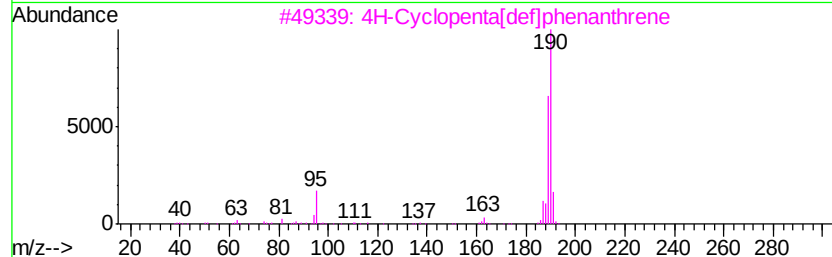
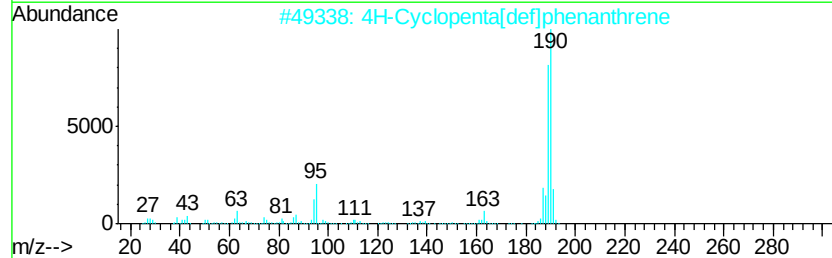
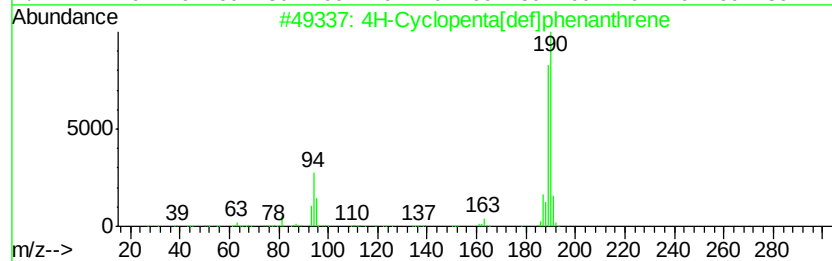
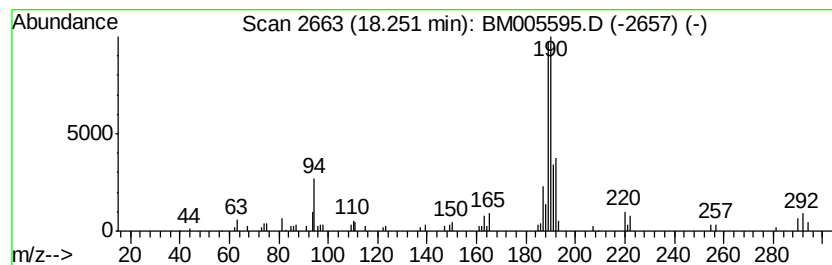
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.25	2.07 ng/ul	125031	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5		8H-Imidazo[4,5-E]-2,1,3-benzothi...	190	C8H6N4S	129485-68-3	27



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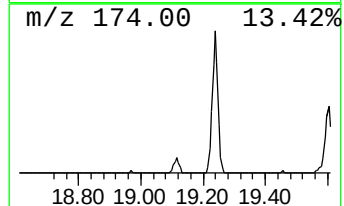
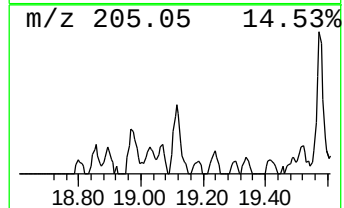
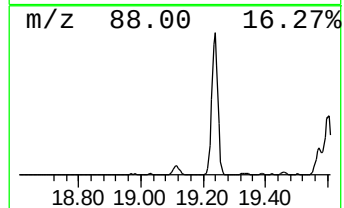
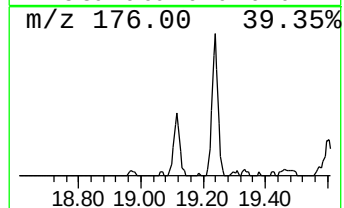
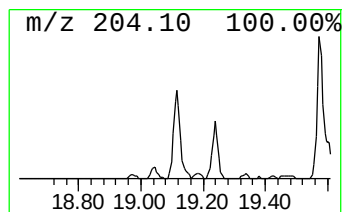
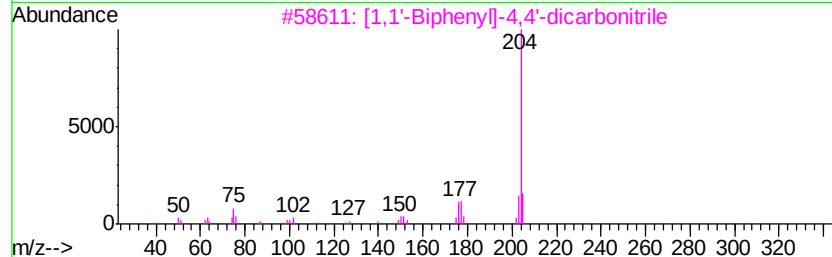
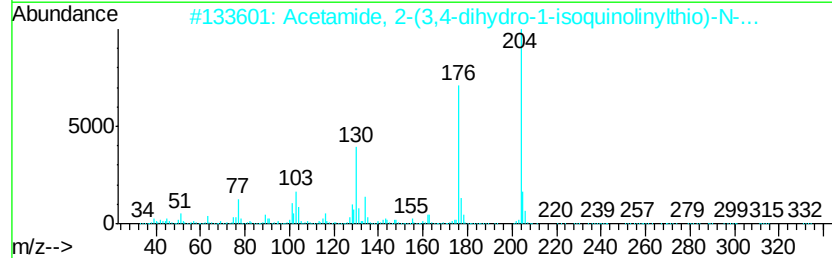
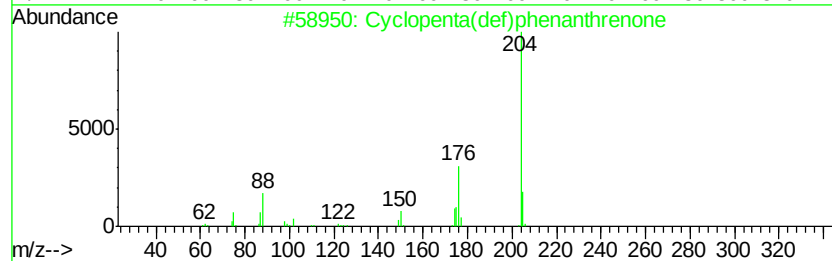
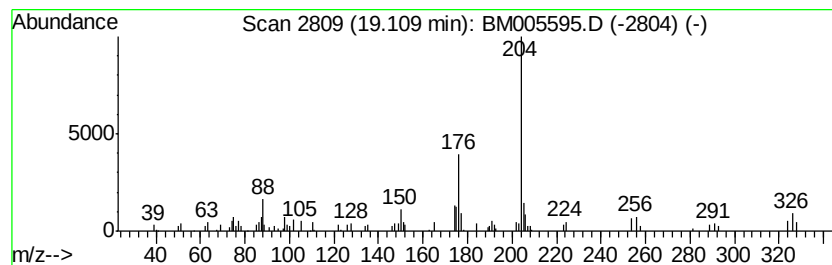
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.11	2.05 ng/ul	124000	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2		Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	59
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45



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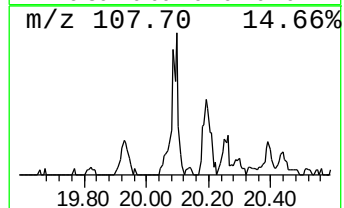
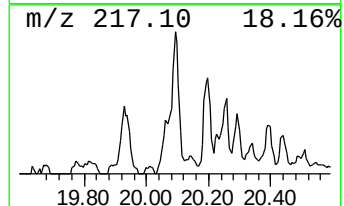
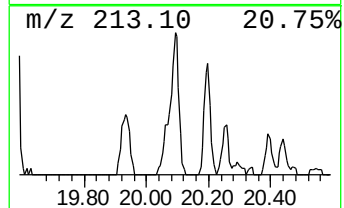
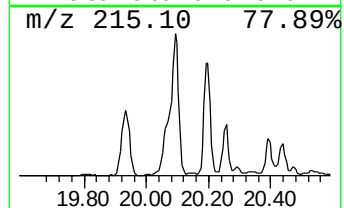
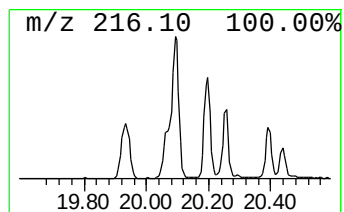
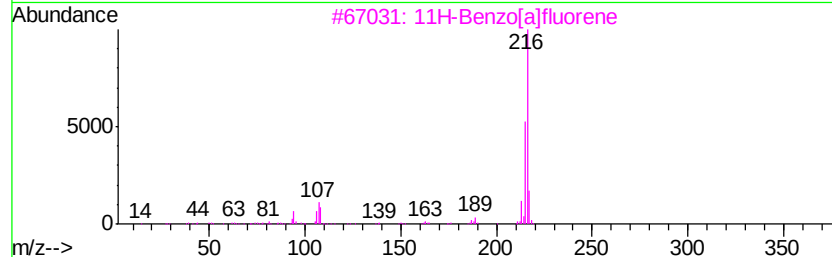
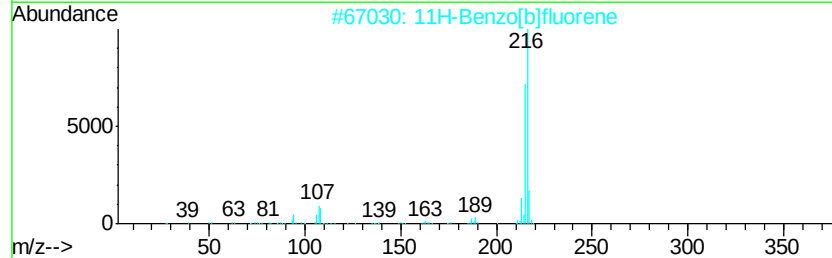
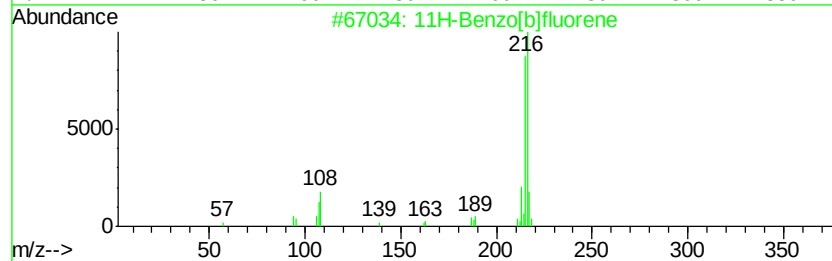
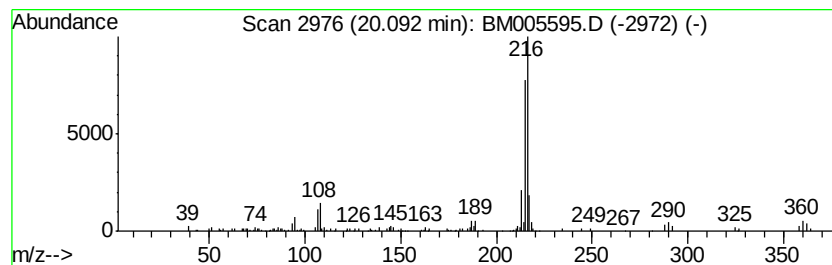
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.01 ng/ul	226302	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



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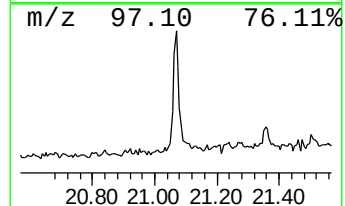
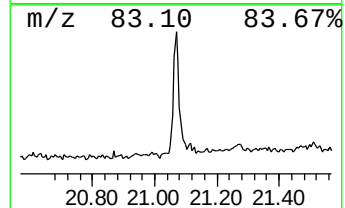
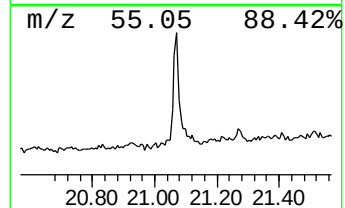
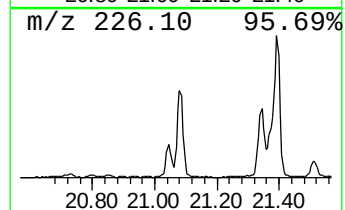
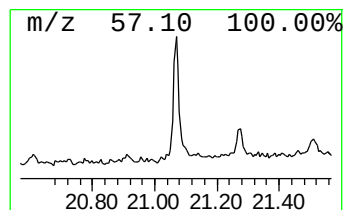
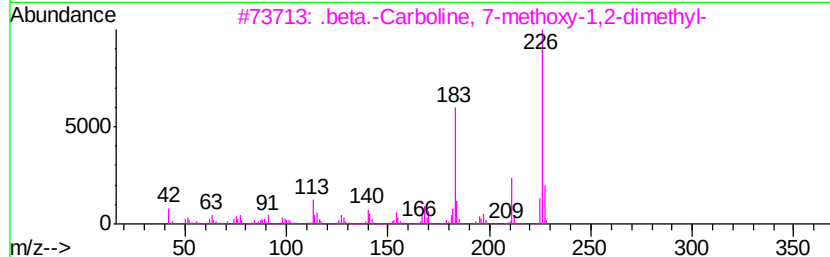
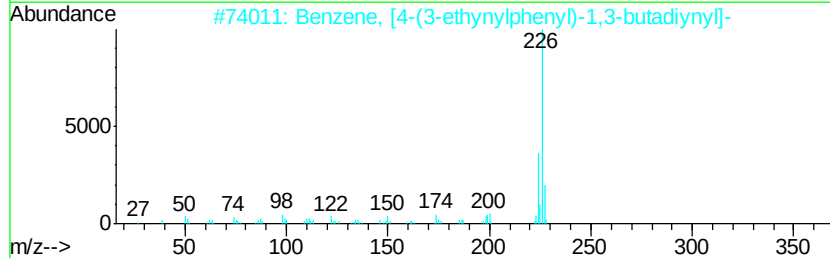
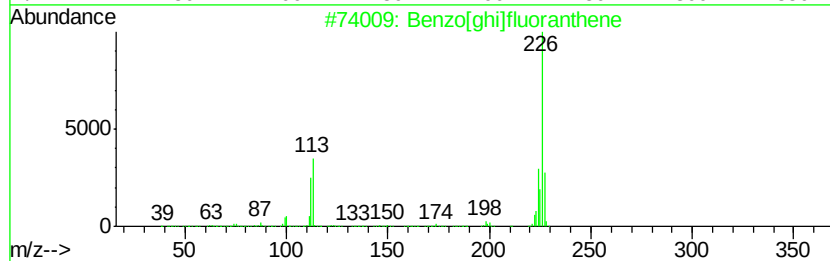
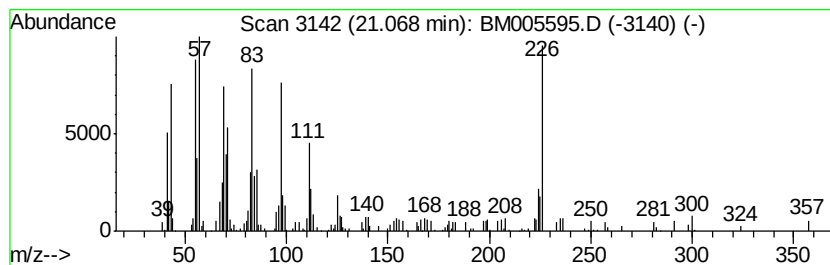
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.67 ng/ul	300969	Chrysene-d12	21.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[ghi]fluoranthene	226 C18H10	000203-12-3 49
2		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 47
3		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 47
4		5(10H)-Pyrido[3,4-b]quinolone, 7...	226 C13H10N2O2	1000256-99-5 43
5		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005595.D
Acq On : 22 May 2016 20:15
Operator : UM/SJ
Sample : H3087-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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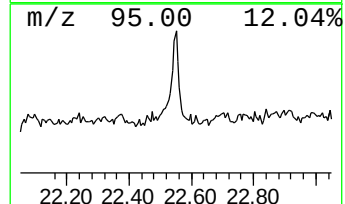
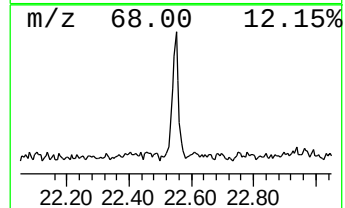
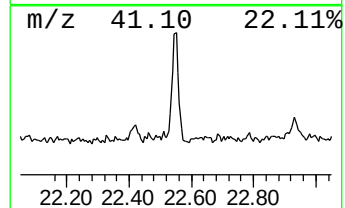
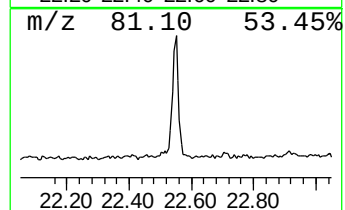
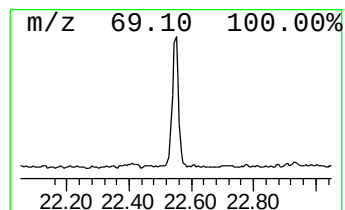
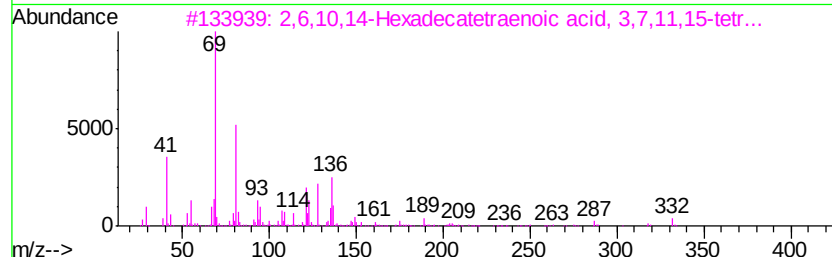
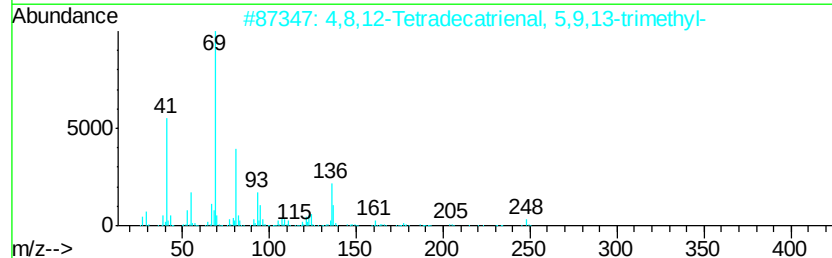
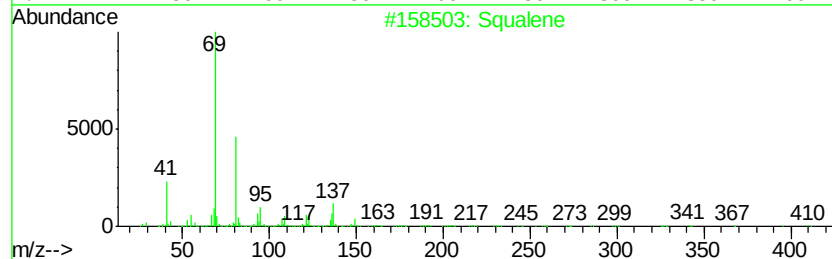
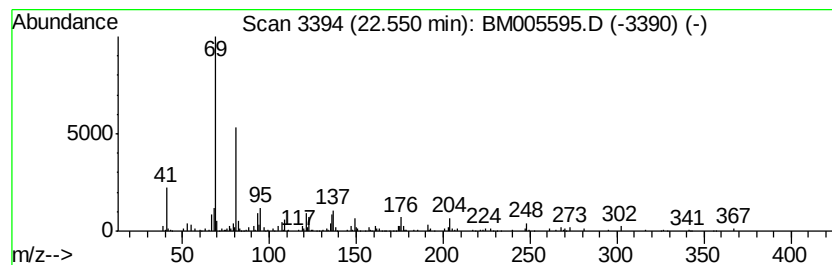
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	2.17 ng/ul	204130	Perylene-d12	23.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	007683-64-9	87
2		4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	83
3		2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
4		2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	59
5		2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	59



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005595.D
Acq On : 22 May 2016 20:15
Operator : UM/SJ
Sample : H3087-13
Misc :
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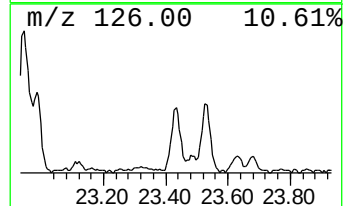
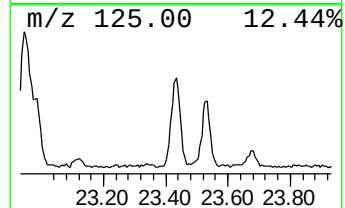
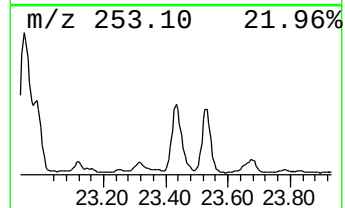
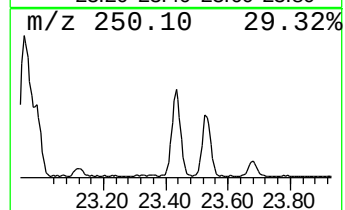
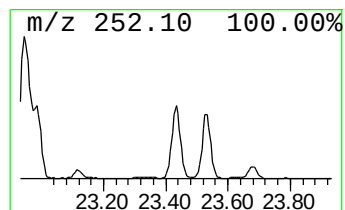
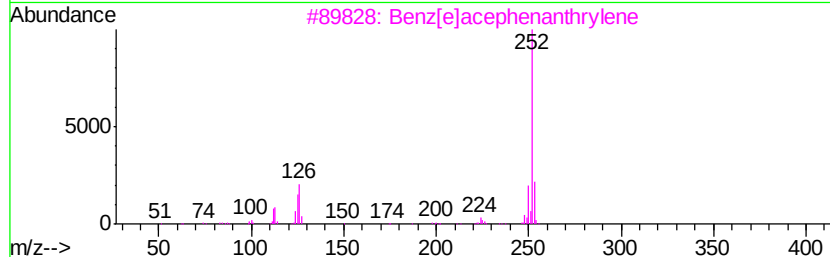
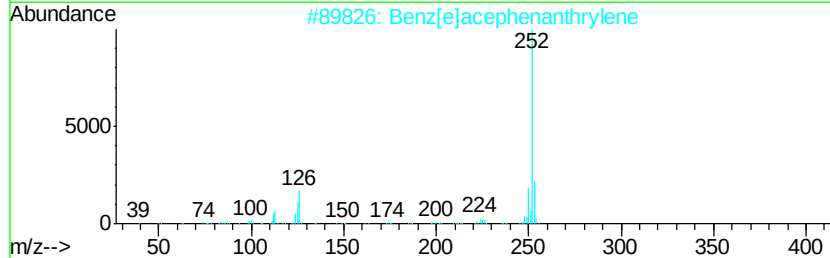
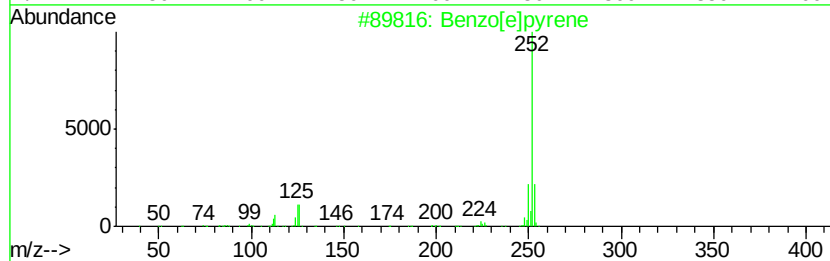
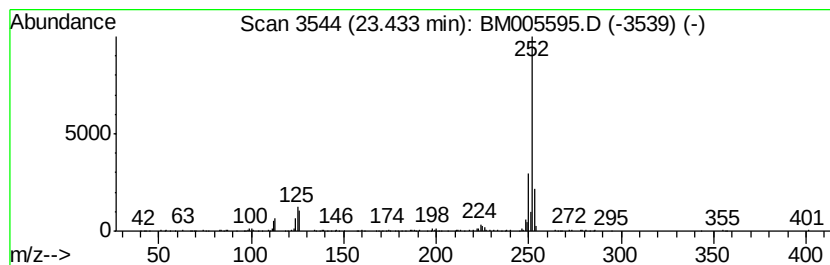
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	3.60 ng/ul	338446	Perylene-d12	23.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	96
3	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	95
4	Benzo[a]pyrene	252 C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252 C20H12	000207-08-9	93



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Sample : H3087-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4H-Cyclopenta[def...	18.25	2.1	ng/ul	125031	4	17.19	1208610	20.0
Cyclopenta(def)ph...	19.11	2.0	ng/ul	124000	4	17.19	1208610	20.0
11H-Benzo[b]fluorene	20.09	2.0	ng/ul	226302	5	21.36	2252080	20.0
unknown-01	21.07	2.7	ng/ul	300969	5	21.36	2252080	20.0
Squalene	22.55	2.2	ng/ul	204130	6	23.63	1882030	20.0
Benzo[e]pyrene	23.43	3.6	ng/ul	338446	6	23.63	1882030	20.0