

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020426.D
 Acq On : 23 Dec 2015 3:30
 Operator : UM/SJ
 Sample : G4849-07DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N71DL

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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	3.102	40	45	56	rBV3	9785	19376	4.26%	0.415%
2	3.184	56	59	66	rVB5	4506	6937	1.53%	0.149%
3	7.244	743	750	756	rBV2	12462	21375	4.70%	0.458%
4	7.403	772	777	785	rBB	10420	17700	3.90%	0.379%
5	7.614	808	813	821	rBB2	13673	21508	4.73%	0.461%
6	8.084	887	893	903	rVB	53354	89493	19.70%	1.919%
7	8.625	979	985	990	rBB	2823	4565	1.00%	0.098%
8	8.789	1007	1013	1020	rBV2	17630	30263	6.66%	0.649%
9	9.253	1086	1092	1100	rBB	13791	23942	5.27%	0.513%
10	9.976	1210	1215	1221	rBB2	11321	19398	4.27%	0.416%
11	10.523	1301	1308	1317	rBB	19213	33745	7.43%	0.723%
12	10.899	1365	1372	1377	rBV	80823	150508	33.13%	3.227%
13	10.951	1377	1381	1389	rVV	83268	140703	30.97%	3.016%
14	11.034	1389	1395	1406	rVB3	17866	35055	7.72%	0.752%
15	12.550	1646	1653	1661	rBB	43904	71514	15.74%	1.533%
16	12.767	1685	1690	1696	rVB	21077	32471	7.15%	0.696%
17	13.548	1816	1823	1831	rBB	14433	21017	4.63%	0.451%
18	13.748	1852	1857	1863	rBB	3639	6091	1.34%	0.131%
19	13.883	1874	1880	1888	rBB4	5162	12642	2.78%	0.271%
20	14.036	1901	1906	1910	rBV2	8092	13347	2.94%	0.286%
21	14.112	1912	1919	1924	rVV	42990	68577	15.09%	1.470%
22	14.159	1924	1927	1934	rVB2	10157	13754	3.03%	0.295%
23	14.277	1940	1947	1951	rBV	3070	4773	1.05%	0.102%
24	14.412	1963	1970	1979	rBB	49022	76696	16.88%	1.644%
25	14.718	2012	2022	2028	rBV2	149630	242137	53.30%	5.191%
26	14.782	2028	2033	2040	rVV	89181	138051	30.39%	2.960%
27	14.853	2040	2045	2048	rVV	2792	3880	0.85%	0.083%
28	14.923	2051	2057	2067	rVV2	9515	17553	3.86%	0.376%
29	15.023	2070	2074	2078	rVB2	2072	3308	0.73%	0.071%
30	15.111	2083	2089	2097	rVB	57117	88911	19.57%	1.906%
31	15.188	2097	2102	2106	rBV3	1492	2337	0.51%	0.050%
32	15.323	2122	2125	2130	rBV	917	1369	0.30%	0.029%
33	15.382	2132	2135	2138	rVB	1145	1351	0.30%	0.029%
34	15.540	2157	2162	2165	rVB2	2136	2802	0.62%	0.060%

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35	15.705	2182	2190	2195	rBV	65400	97695	21.50%	2.094%
36	15.763	2195	2200	2206	rVV	81166	119876	26.39%	2.570%
37	15.828	2206	2211	2214	rVV2	8583	12111	2.67%	0.260%
38	15.857	2214	2216	2217	rVV	2330	2152	0.47%	0.046%
39	15.887	2218	2221	2224	rVV	4595	5832	1.28%	0.125%
40	15.928	2224	2228	2232	rVB3	8111	11894	2.62%	0.255%
41	16.010	2238	2242	2245	rBV2	4328	5808	1.28%	0.125%
42	16.051	2245	2249	2254	rVB	8263	12493	2.75%	0.268%
43	16.198	2269	2274	2282	rVB2	10101	19599	4.31%	0.420%
44	16.292	2286	2290	2295	rVB2	1856	3007	0.66%	0.064%
45	16.404	2305	2309	2311	rBV2	3257	4303	0.95%	0.092%
46	16.427	2311	2313	2318	rVB4	1744	1965	0.43%	0.042%
47	16.551	2330	2334	2339	rBV2	4697	6583	1.45%	0.141%
48	16.739	2359	2366	2367	rBV4	2497	4130	0.91%	0.089%
49	16.762	2367	2370	2375	rVB2	6457	8088	1.78%	0.173%
50	16.815	2375	2379	2385	rVB3	2515	4112	0.91%	0.088%
51	16.915	2392	2396	2399	rBV3	1884	1788	0.39%	0.038%
52	16.991	2407	2409	2412	rVB2	1960	1378	0.30%	0.030%
53	17.033	2412	2416	2420	rVB3	1966	2459	0.54%	0.053%
54	17.121	2427	2431	2434	rBV2	1563	2614	0.58%	0.056%
55	17.191	2438	2443	2446	rBV3	4081	5743	1.26%	0.123%
56	17.285	2454	2459	2465	rVB2	15587	22331	4.92%	0.479%
57	17.461	2482	2489	2493	rBV	193457	304124	66.94%	6.520%
58	17.508	2493	2497	2502	rVV	254379	380016	83.64%	8.147%
59	17.561	2502	2506	2510	rVV2	68443	107732	23.71%	2.310%
60	17.591	2510	2511	2517	rVB	21182	23462	5.16%	0.503%
61	17.732	2533	2535	2538	rBV3	1800	2092	0.46%	0.045%
62	17.785	2538	2544	2546	rBV3	2283	4008	0.88%	0.086%
63	17.808	2546	2548	2549	rVV3	2013	1623	0.36%	0.035%
64	17.832	2549	2552	2553	rVV3	3250	3754	0.83%	0.080%
65	17.867	2553	2558	2567	rVV2	13421	25748	5.67%	0.552%
66	17.984	2572	2578	2582	rBV7	3121	5978	1.32%	0.128%
67	18.049	2586	2589	2592	rVB6	963	1525	0.34%	0.033%
68	18.178	2608	2611	2613	rBV3	1589	1886	0.42%	0.040%
69	18.337	2633	2638	2642	rBV	14963	21944	4.83%	0.470%
70	18.384	2642	2646	2650	rVB2	18490	25759	5.67%	0.552%
71	18.466	2654	2660	2665	rVB	6684	11077	2.44%	0.237%

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72	18.537	2665	2672	2676	rBV3	27646	49394	10.87%	1.059%
73	18.736	2704	2706	2707	rVV2	1526	1324	0.29%	0.028%
74	18.760	2709	2710	2712	rBV2	1795	1419	0.31%	0.030%
75	18.830	2717	2722	2726	rVV	12359	17213	3.79%	0.369%
76	18.877	2728	2730	2732	rVB2	2602	1930	0.42%	0.041%
77	18.954	2742	2743	2746	rBV3	1706	1479	0.33%	0.032%
78	18.983	2746	2748	2750	rBV3	1220	1323	0.29%	0.028%
79	19.048	2757	2759	2760	rBV2	1941	1357	0.30%	0.029%
80	19.083	2760	2765	2766	rVV3	2045	2967	0.65%	0.064%
81	19.171	2776	2780	2783	rBV4	2341	2956	0.65%	0.063%
82	19.242	2788	2792	2796	rVV7	5064	7848	1.73%	0.168%
83	19.383	2814	2816	2818	rVB3	3045	2613	0.58%	0.056%
84	19.512	2831	2838	2844	rVB	155643	224975	49.52%	4.823%
85	19.553	2844	2845	2847	rBV2	3365	2140	0.47%	0.046%
86	19.635	2857	2859	2861	rBV3	1663	1571	0.35%	0.034%
87	19.694	2866	2869	2871	rBV4	4470	5369	1.18%	0.115%
88	19.735	2874	2876	2877	rBV2	2873	1861	0.41%	0.040%
89	19.759	2878	2880	2882	rVB3	3121	2391	0.53%	0.051%
90	19.841	2889	2894	2897	rBV2	113968	187509	41.27%	4.020%
91	19.870	2897	2899	2907	rVV	99316	134380	29.58%	2.881%
92	19.941	2907	2911	2915	rVV5	4415	7735	1.70%	0.166%
93	20.117	2938	2941	2942	rBV3	5162	4844	1.07%	0.104%
94	20.364	2979	2983	2987	rVB	17029	22145	4.87%	0.475%
95	20.458	2995	2999	3004	rBV	19480	31032	6.83%	0.665%
96	21.739	3209	3217	3222	rBV	246119	454326	100.00%	9.740%
97	23.020	3425	3435	3436	rBV3	47405	135076	29.73%	2.896%
98	24.782	3727	3735	3742	rBV2	52312	153667	33.82%	3.294%
99	25.006	3764	3773	3785	rVB2	135312	401279	88.32%	8.603%
100	26.533	4024	4033	4037	rBV2	25669	88697	19.52%	1.901%

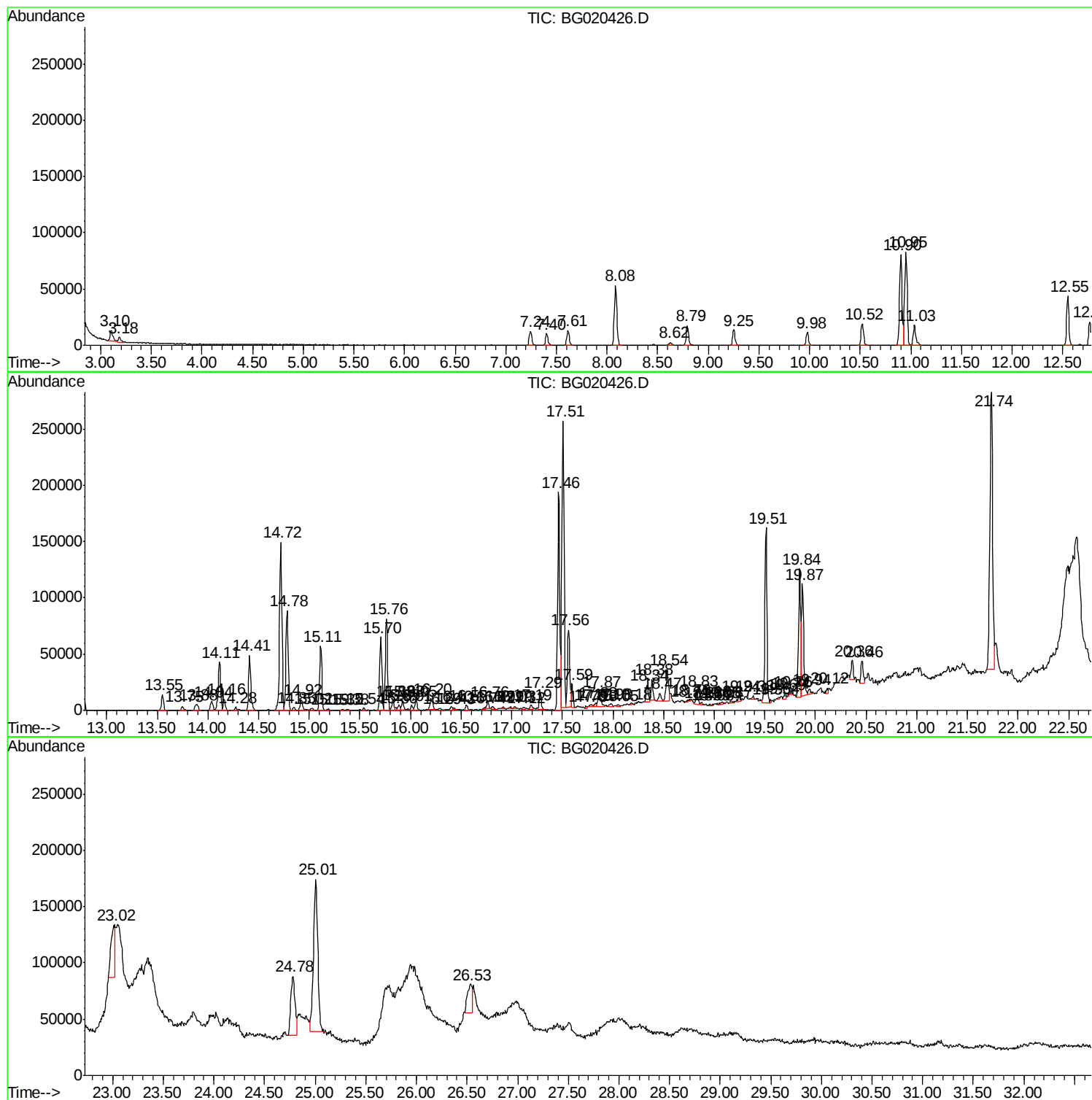
Sum of corrected areas: 4664658

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



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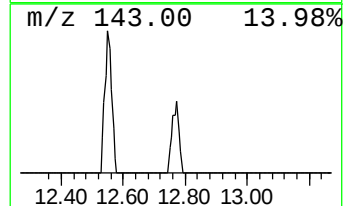
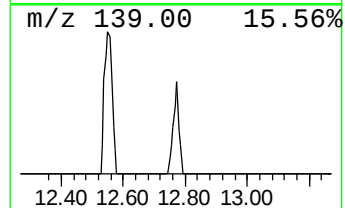
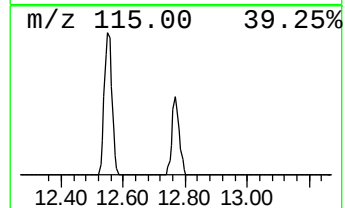
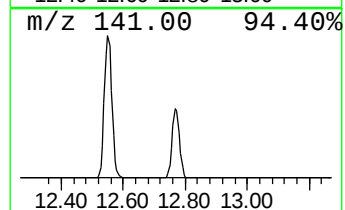
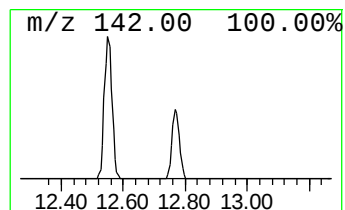
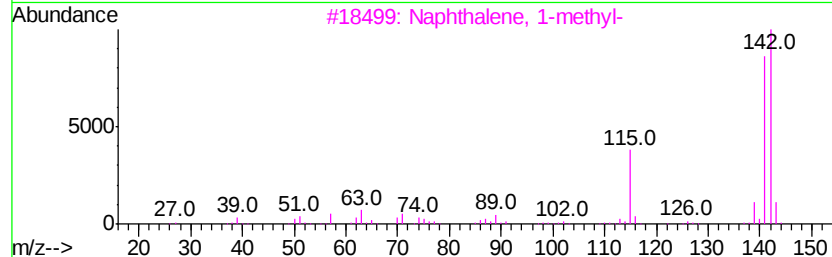
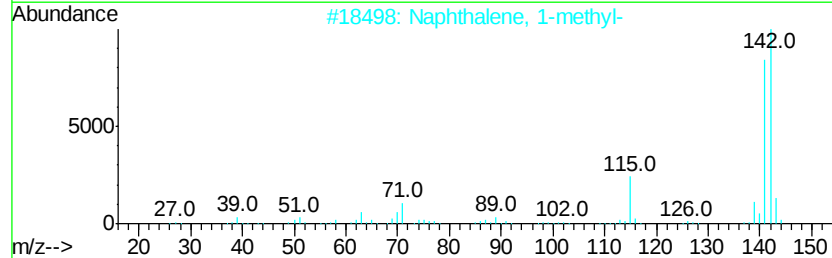
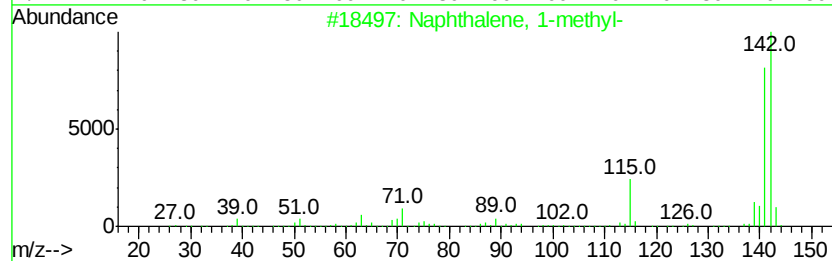
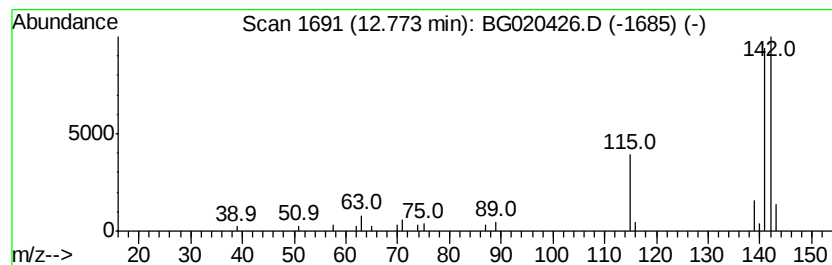
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	4.31 ng/ul	32471	Naphthalene-d8	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91



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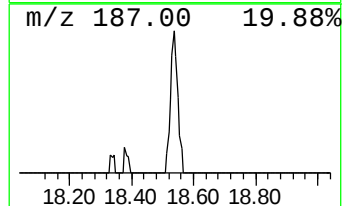
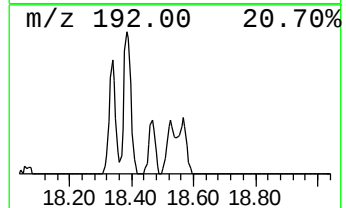
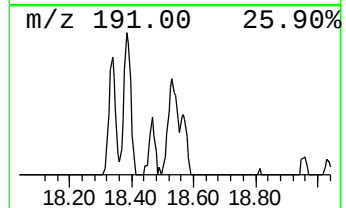
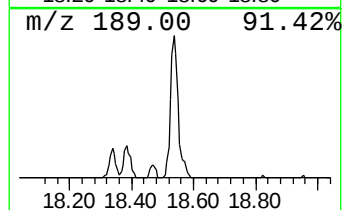
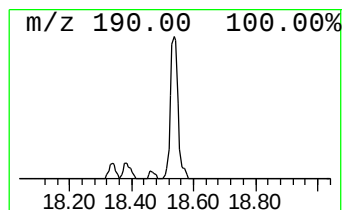
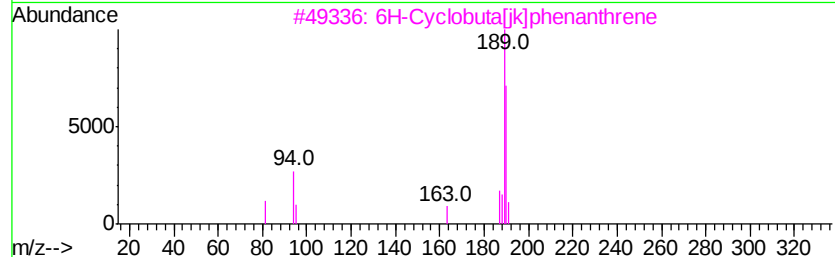
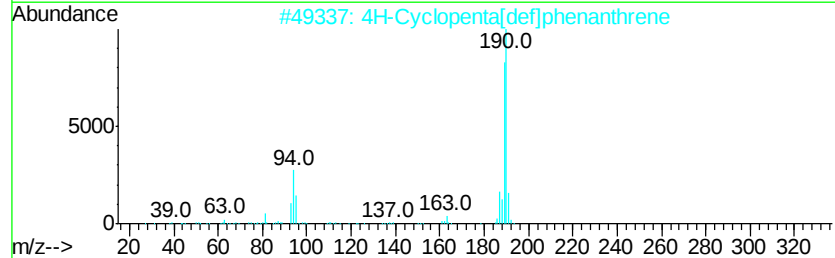
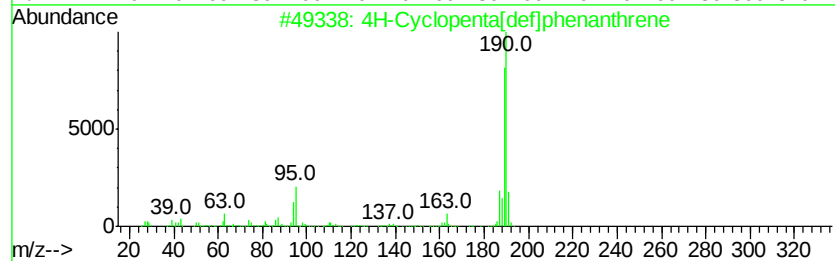
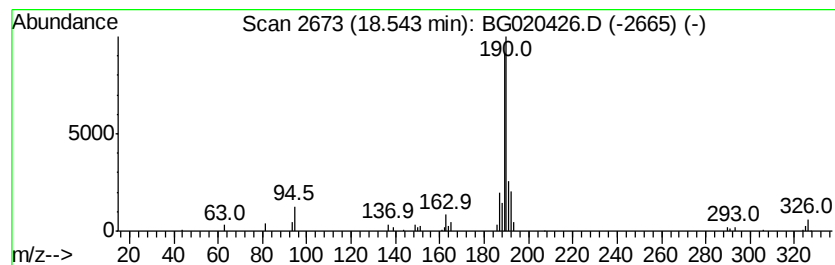
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.25 ng/ul	49394	Phenanthrene-d10	17.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3		6H-Cyclobuta[f]phenanthrene	190	C15H10	083469-43-6	64
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36



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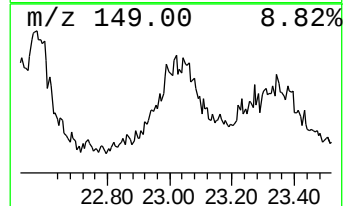
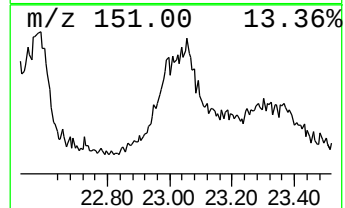
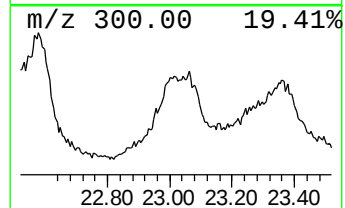
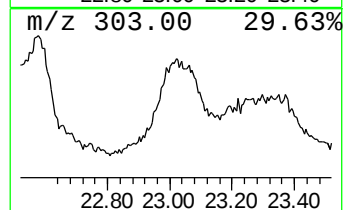
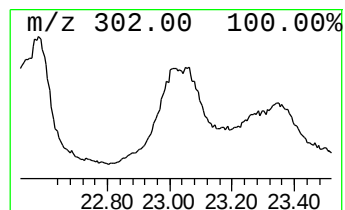
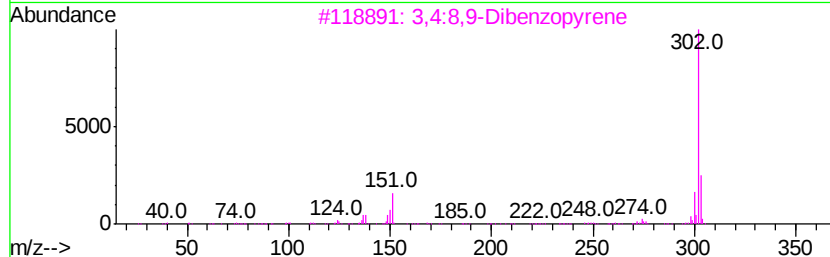
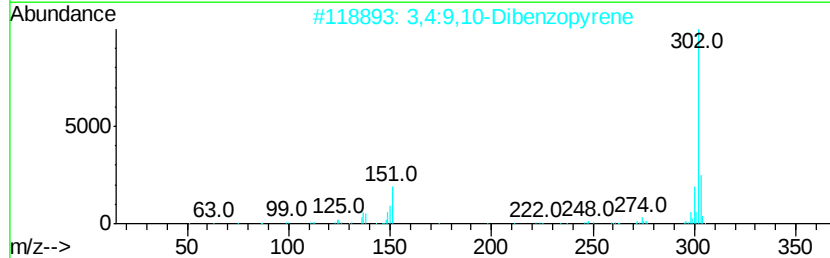
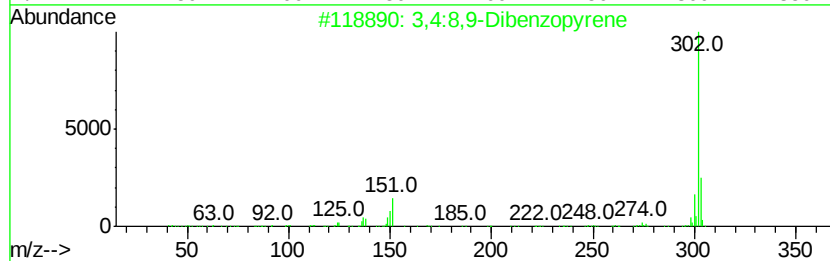
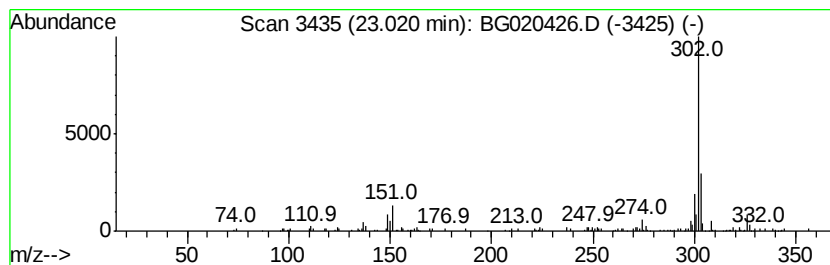
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TIC Integration Parameters: LSCINT.P

Peak Number 4 3,4:8,9-Dibenzopyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.02	5.95 ng/ul	135076	Chrysene-d12	21.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	89
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	86
5			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020426.D
Acq On : 23 Dec 2015 3:30
Operator : UM/SJ
Sample : G4849-07DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N71DL

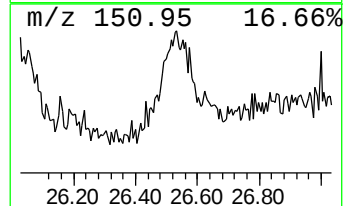
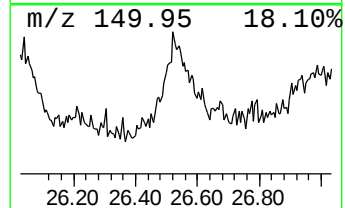
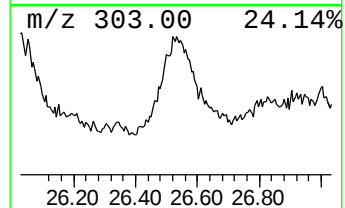
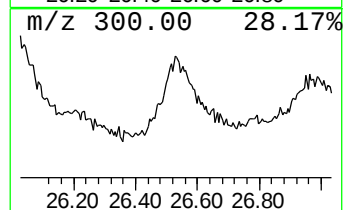
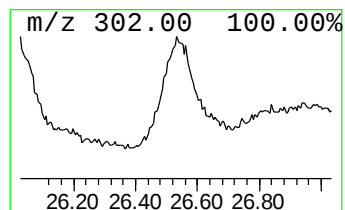
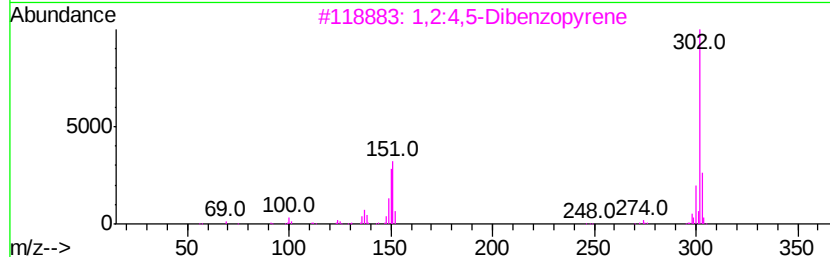
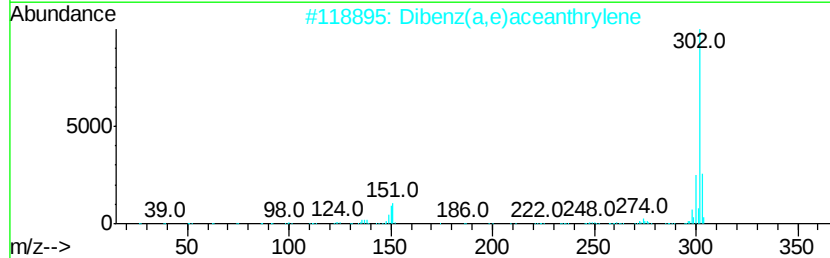
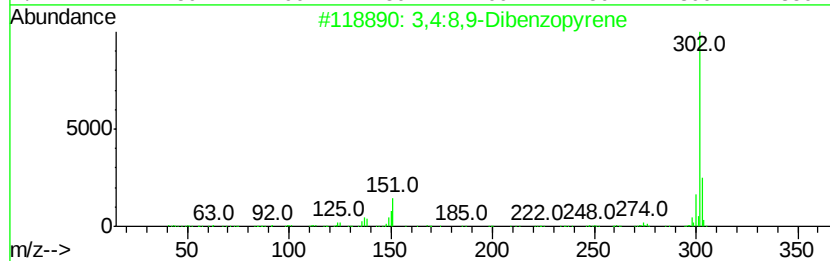
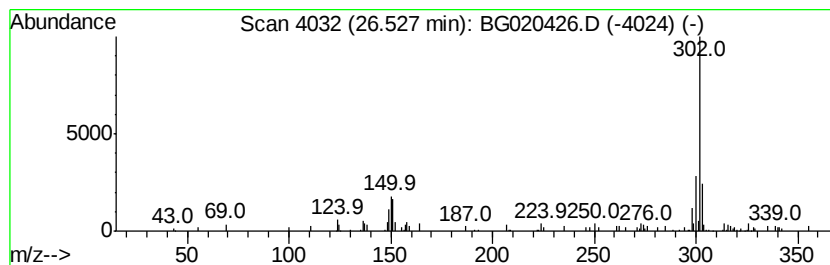
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenz(a,e)aceanthrylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.53	4.42 ng/ul	88697	Perylene-d12	25.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopvrene			302	C24H14	000189-64-0	93
2	Dibenz(a,e)aceanthrylene			302	C24H14	005385-75-1	91
3	1,2:4,5-Dibenzopvrene			302	C24H14	000192-65-4	89
4	3,4:9,10-Dibenzopvrene			302	C24H14	000189-55-9	81
5	3,4:9,10-Dibenzopyrene			302	C24H14	000189-55-9	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020426.D
Acq On : 23 Dec 2015 3:30
Operator : UM/SJ
Sample : G4849-07DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N71DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Naphthalene, 1-me...	12.77	4.3	ng/ul	32471	2	10.90	150508	20.0
4H-Cyclopenta[def...	18.54	3.3	ng/ul	49394	4	17.46	304124	20.0
3,4:8,9-Dibenzopy...	23.02	6.0	ng/ul	135076	5	21.74	454326	20.0
Dibenz(a,e)aceant...	26.53	4.4	ng/ul	88697	6	25.01	401279	20.0