

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020460.D
 Acq On : 24 Dec 2015 2:02
 Operator : UM/SJ
 Sample : G4849-08MEDL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N72MEDL

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	3.108	41	46	55	rVB	9870	18566	2.38%	0.291%
2	3.185	55	59	65	rBV2	2597	3588	0.46%	0.056%
3	7.245	743	750	759	rBB2	10553	17347	2.23%	0.272%
4	7.403	772	777	783	rBV2	8337	13970	1.79%	0.219%
5	7.615	807	813	820	rBV3	10022	16175	2.08%	0.254%
6	8.085	886	893	901	rBV	66334	109942	14.12%	1.724%
7	8.790	1008	1013	1020	rBV	14879	25168	3.23%	0.395%
8	9.248	1086	1091	1101	rBB	12301	21847	2.80%	0.342%
9	9.977	1209	1215	1222	rBB2	10166	16592	2.13%	0.260%
10	10.517	1302	1307	1317	rBB	16101	28260	3.63%	0.443%
11	10.899	1364	1372	1377	rBV	102285	188680	24.22%	2.958%
12	10.952	1377	1381	1389	rVV	90200	153238	19.67%	2.402%
13	11.034	1389	1395	1406	rVB2	15045	28579	3.67%	0.448%
14	12.550	1646	1653	1660	rBV	65456	108811	13.97%	1.706%
15	12.768	1680	1690	1698	rBB	33146	53677	6.89%	0.842%
16	13.549	1818	1823	1830	rBV	27563	40995	5.26%	0.643%
17	13.743	1852	1856	1864	rBB	8264	13361	1.72%	0.209%
18	13.890	1873	1881	1888	rVB6	9824	24340	3.12%	0.382%
19	14.037	1899	1906	1910	rBV2	14805	24895	3.20%	0.390%
20	14.113	1911	1919	1924	rVV	51894	85085	10.92%	1.334%
21	14.160	1924	1927	1935	rVB	8230	10887	1.40%	0.171%
22	14.272	1941	1946	1950	rBV2	5255	8435	1.08%	0.132%
23	14.413	1963	1970	1979	rBB	51425	83621	10.74%	1.311%
24	14.718	2011	2022	2027	rBV2	175548	304277	39.07%	4.770%
25	14.783	2027	2033	2039	rVV	139967	226733	29.11%	3.555%
26	14.848	2039	2044	2051	rVB	4687	7007	0.90%	0.110%
27	14.924	2052	2057	2064	rBV	9570	17286	2.22%	0.271%
28	15.024	2067	2074	2079	rVV2	4477	7239	0.93%	0.113%
29	15.112	2082	2089	2097	rVV	111601	166341	21.36%	2.608%
30	15.182	2097	2101	2106	rVB	3712	4493	0.58%	0.070%
31	15.323	2119	2125	2130	rBB	2367	3540	0.45%	0.055%
32	15.494	2148	2154	2159	rBV2	1667	3764	0.48%	0.059%
33	15.535	2159	2161	2167	rVB3	3479	4276	0.55%	0.067%
34	15.705	2181	2190	2195	rBV	74024	112619	14.46%	1.766%

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35	15.758	2195	2199	2207	rVV	116814	182760	23.46%	2.865%
36	15.823	2207	2210	2213	rVV2	8380	12083	1.55%	0.189%
37	15.882	2217	2220	2223	rVV2	8335	12320	1.58%	0.193%
38	15.923	2223	2227	2232	rVV3	14754	24490	3.14%	0.384%
39	15.970	2233	2235	2238	rVV2	2989	3831	0.49%	0.060%
40	16.005	2238	2241	2245	rVV2	6867	10906	1.40%	0.171%
41	16.052	2245	2249	2255	rVB2	17500	25405	3.26%	0.398%
42	16.199	2269	2274	2282	rVB	18168	36519	4.69%	0.573%
43	16.293	2287	2290	2295	rVB2	3115	4286	0.55%	0.067%
44	16.399	2305	2308	2311	rBV	4042	5147	0.66%	0.081%
45	16.551	2330	2334	2339	rVB2	4884	6965	0.89%	0.109%
46	16.722	2360	2363	2364	rBV2	2988	3309	0.42%	0.052%
47	16.763	2364	2370	2375	rVV3	11282	20140	2.59%	0.316%
48	16.810	2375	2378	2384	rVB4	3764	6012	0.77%	0.094%
49	16.910	2389	2395	2400	rVB5	4267	8192	1.05%	0.128%
50	16.986	2400	2408	2412	rBV4	3648	8606	1.10%	0.135%
51	17.027	2412	2415	2418	rBV4	3153	4542	0.58%	0.071%
52	17.115	2425	2430	2436	rVB2	9365	15205	1.95%	0.238%
53	17.192	2437	2443	2450	rBV5	6926	14738	1.89%	0.231%
54	17.280	2450	2458	2465	rVB	31934	47836	6.14%	0.750%
55	17.462	2483	2489	2492	rBV	236377	358111	45.98%	5.614%
56	17.503	2492	2496	2502	rVV	519058	778887	100.00%	12.211%
57	17.556	2502	2505	2509	rVV	78479	118993	15.28%	1.865%
58	17.591	2509	2511	2516	rVB	30868	40466	5.20%	0.634%
59	17.862	2550	2557	2566	rBV	9052	16848	2.16%	0.264%
60	17.973	2573	2576	2581	rBV	6411	8541	1.10%	0.134%
61	18.038	2583	2587	2597	rVB2	2805	5132	0.66%	0.080%
62	18.185	2606	2612	2617	rBV3	2608	4189	0.54%	0.066%
63	18.332	2632	2637	2642	rBV	25427	39423	5.06%	0.618%
64	18.385	2642	2646	2652	rVB	33188	46947	6.03%	0.736%
65	18.461	2653	2659	2665	rVB2	9632	14186	1.82%	0.222%
66	18.531	2665	2671	2675	rBV3	55398	92477	11.87%	1.450%
67	18.831	2715	2722	2727	rVV	21794	31246	4.01%	0.490%
68	18.949	2738	2742	2747	rBV2	2536	3541	0.45%	0.056%
69	19.072	2758	2763	2767	rBV3	3603	5017	0.64%	0.079%
70	19.237	2786	2791	2797	rBV2	5544	10508	1.35%	0.165%
71	19.307	2800	2803	2806	rBV4	3091	3908	0.50%	0.061%

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72	19.383	2811	2816	2818	rBV2	2663	3331	0.43%	0.052%
73	19.507	2830	2837	2845	rVV	309503	449962	57.77%	7.054%
74	19.560	2845	2846	2850	rVV3	2783	3426	0.44%	0.054%
75	19.754	2872	2879	2887	rBV3	7346	12303	1.58%	0.193%
76	19.842	2887	2894	2896	rBV2	152726	225109	28.90%	3.529%
77	19.871	2896	2899	2907	rVV	207398	288770	37.07%	4.527%
78	19.936	2907	2910	2917	rVB4	7296	10692	1.37%	0.168%
79	20.047	2922	2929	2933	rBV	10477	14587	1.87%	0.229%
80	20.194	2947	2954	2960	rBV4	8497	22320	2.87%	0.350%
81	20.253	2960	2964	2968	rVV3	3162	5950	0.76%	0.093%
82	20.359	2971	2982	2988	rVB	27885	50033	6.42%	0.784%
83	20.459	2994	2999	3003	rBV	31154	43043	5.53%	0.675%
84	20.517	3003	3009	3013	rVV4	8249	16691	2.14%	0.262%
85	20.553	3013	3015	3019	rVV4	4548	6318	0.81%	0.099%
86	20.594	3019	3022	3027	rVB4	3003	3893	0.50%	0.061%
87	20.658	3029	3033	3036	rBV	4024	5487	0.70%	0.086%
88	20.700	3037	3040	3044	rVB	4629	6102	0.78%	0.096%
89	20.882	3067	3071	3076	rBV2	3683	5815	0.75%	0.091%
90	21.076	3099	3104	3109	rBV3	2839	5591	0.72%	0.088%
91	21.311	3140	3144	3148	rBV	6937	10225	1.31%	0.160%
92	21.352	3148	3151	3155	rVV2	7821	9614	1.23%	0.151%
93	21.399	3155	3159	3165	rVV3	5994	9406	1.21%	0.147%
94	21.734	3208	3216	3222	rBV2	293046	563237	72.31%	8.830%
95	21.933	3246	3250	3254	rBV3	7311	11027	1.42%	0.173%
96	23.960	3590	3595	3601	rBV3	7864	21738	2.79%	0.341%
97	24.695	3714	3720	3724	rBV3	5033	11053	1.42%	0.173%
98	24.777	3726	3734	3742	rVV	48301	129039	16.57%	2.023%
99	25.000	3762	3772	3785	rBV2	146848	433902	55.71%	6.802%
100	26.123	3958	3963	3971	rVB7	5003	14692	1.89%	0.230%

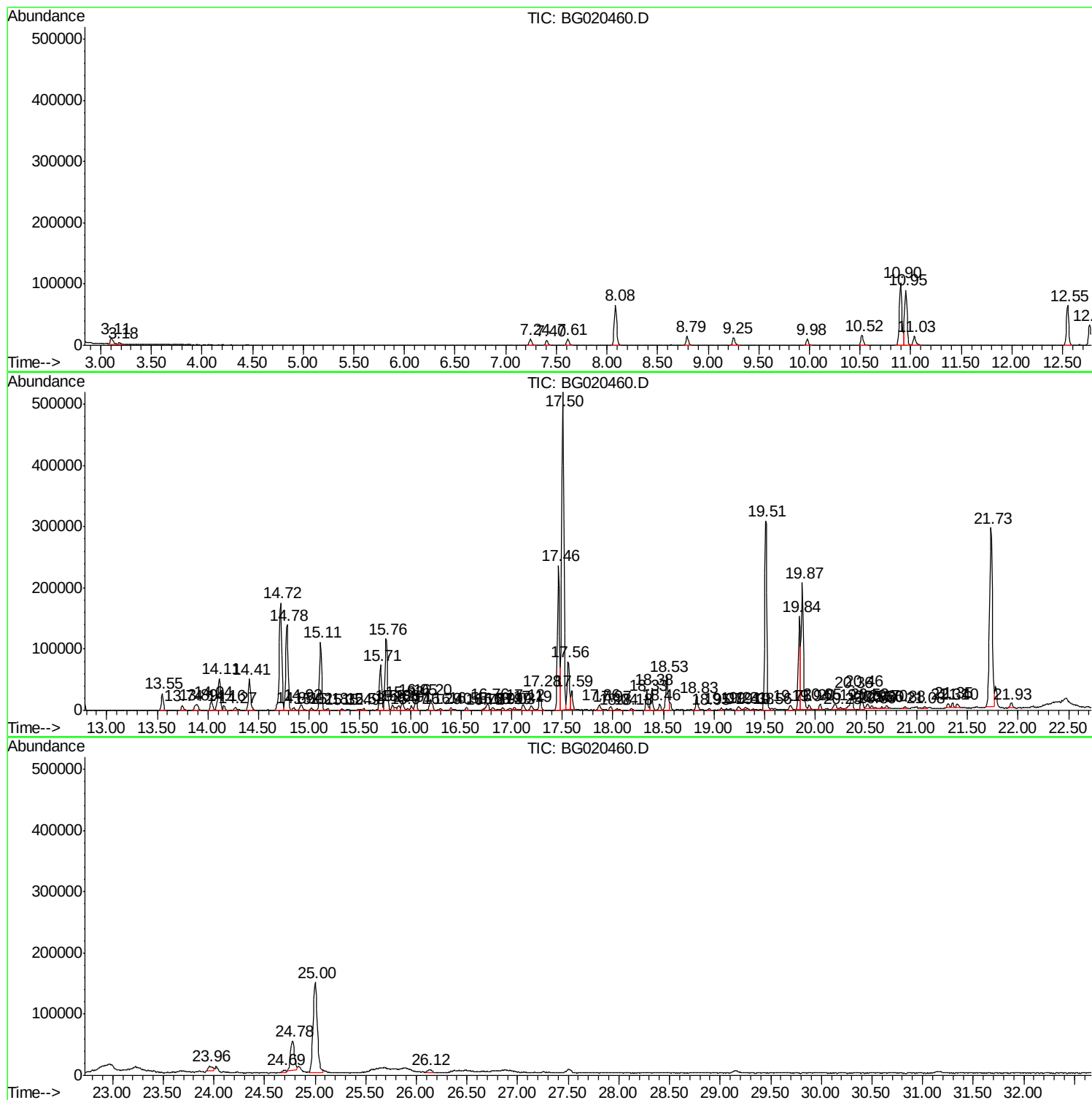
Sum of corrected areas: 6378702

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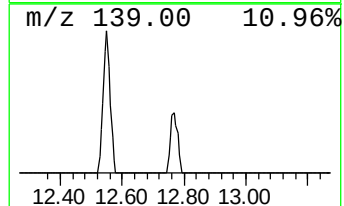
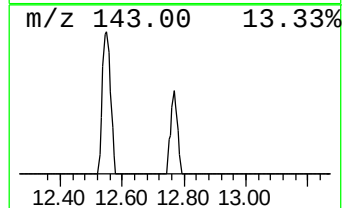
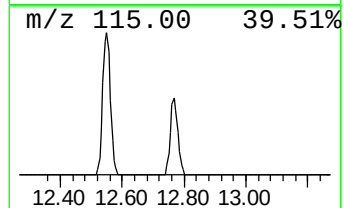
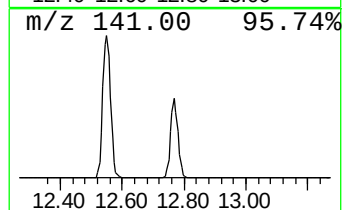
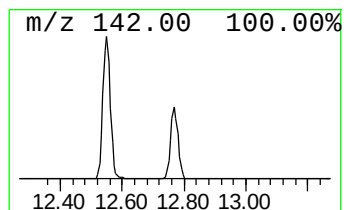
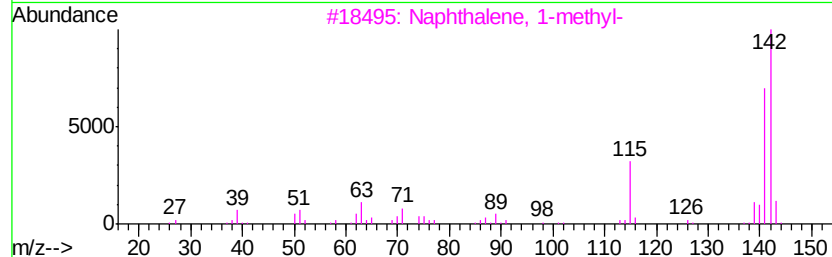
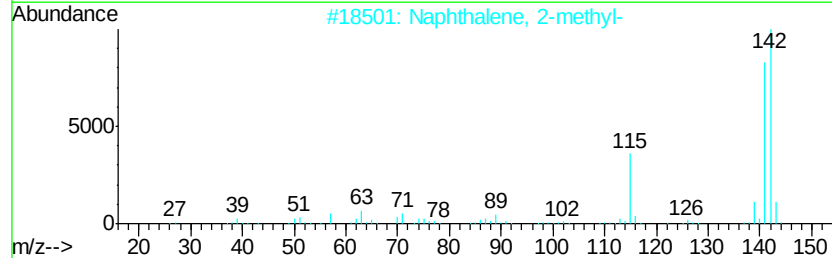
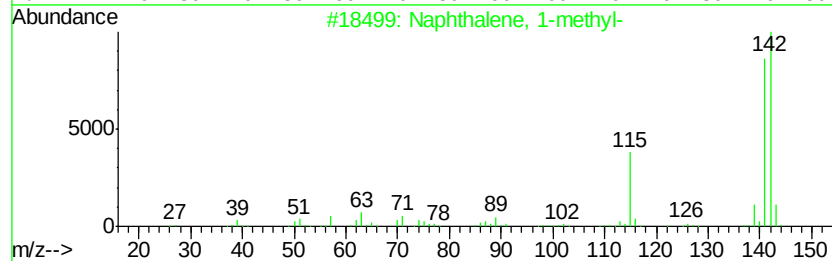
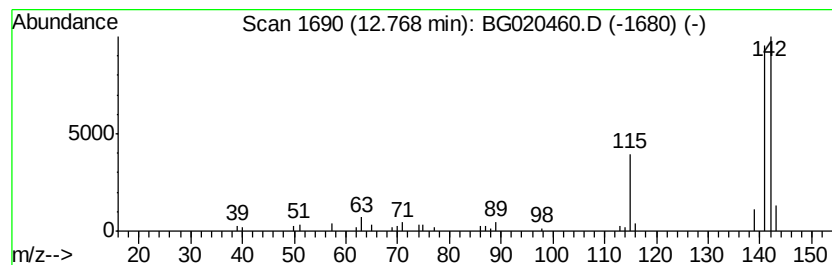
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	5.69 ng/ul	53677	Naphthalene-d8	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



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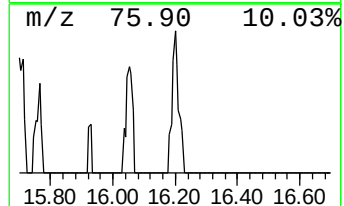
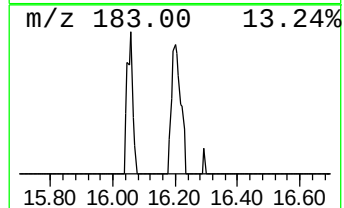
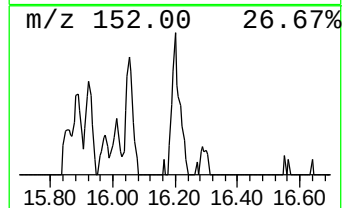
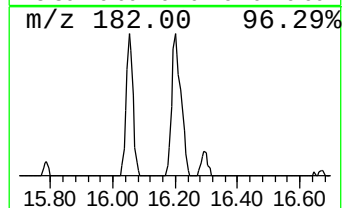
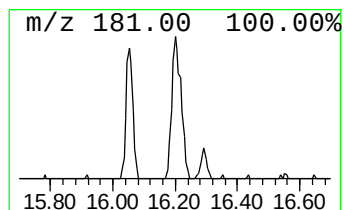
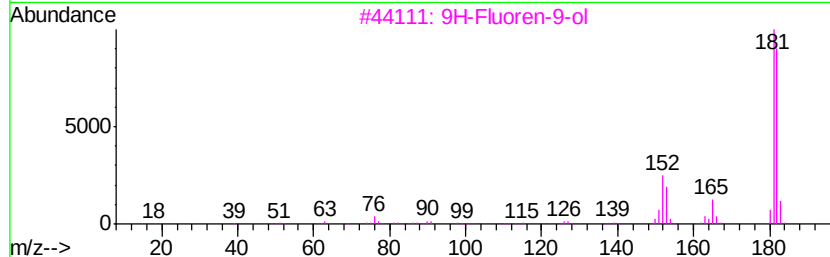
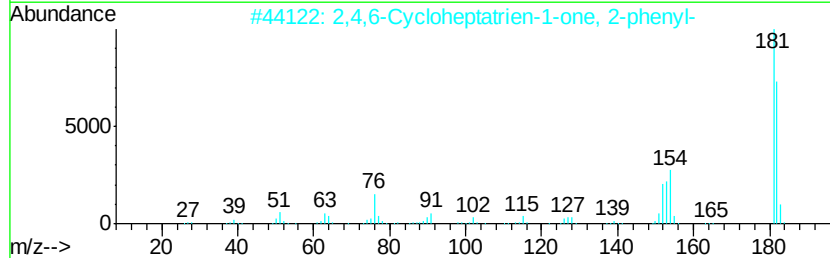
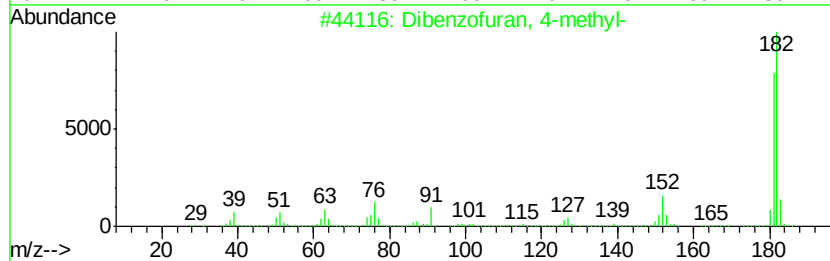
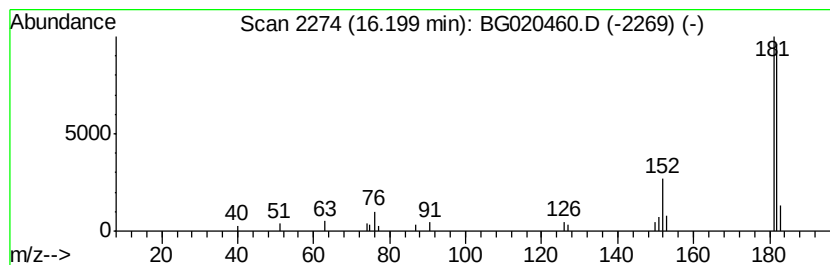
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.04 ng/ul	36519	Phenanthrene-d10	17.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64



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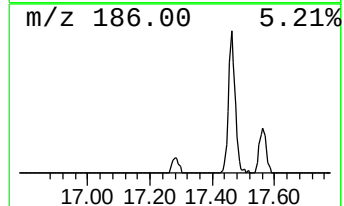
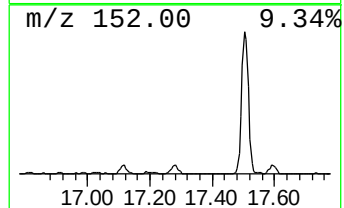
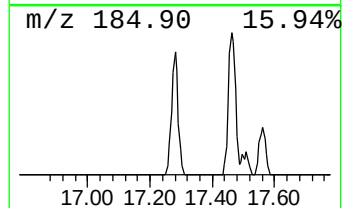
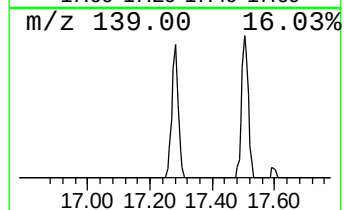
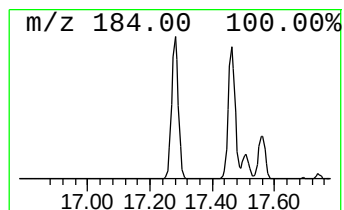
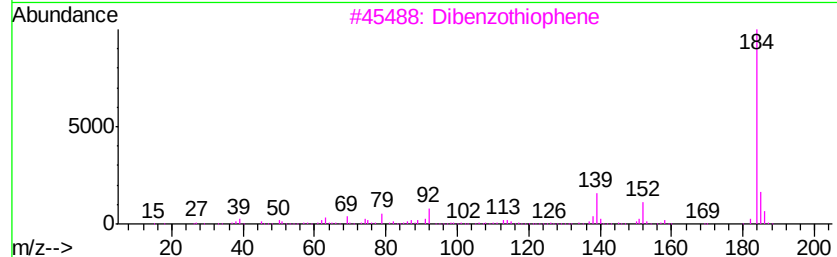
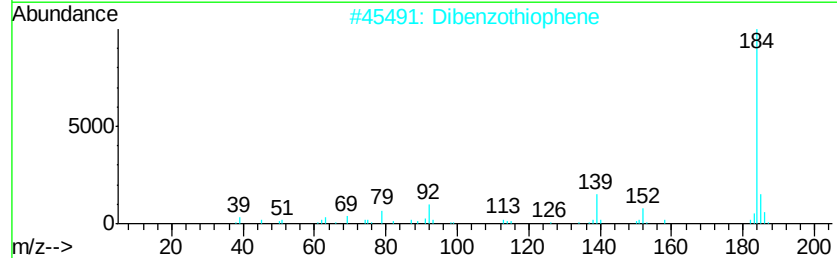
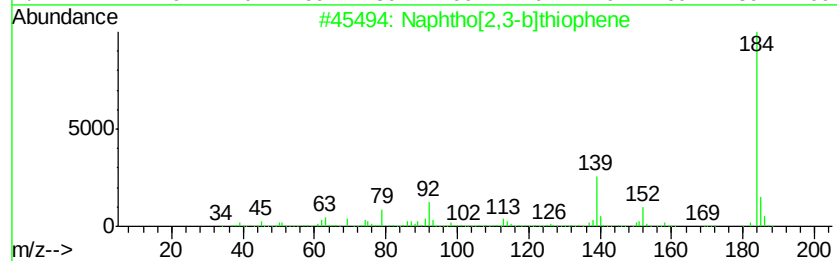
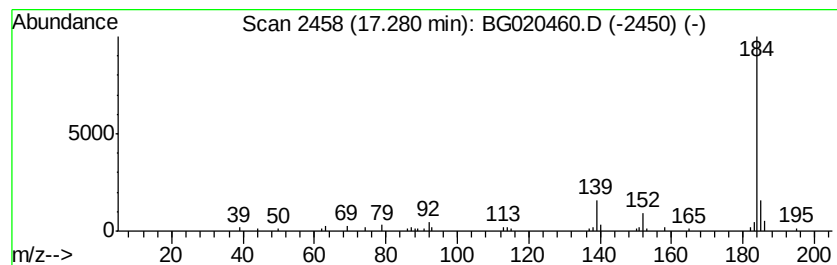
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Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.67 ng/ul	47836	Phenanthrene-d10	17.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2			Dibenzothiophene	184	C12H8S	000132-65-0	94
3			Dibenzothiophene	184	C12H8S	000132-65-0	93
4			Dibenzothiophene	184	C12H8S	000132-65-0	91
5			Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020460.D
Acq On : 24 Dec 2015 2:02
Operator : UM/SJ
Sample : G4849-08MEDL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

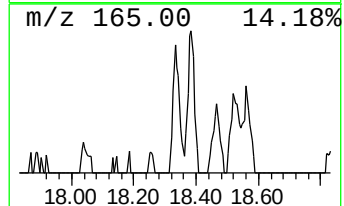
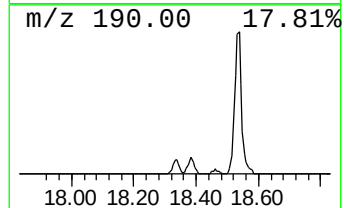
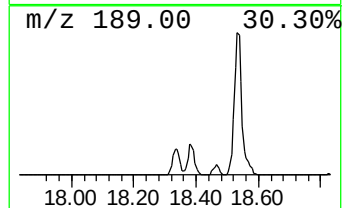
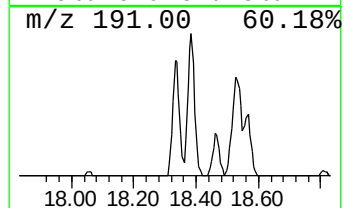
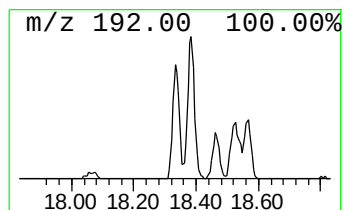
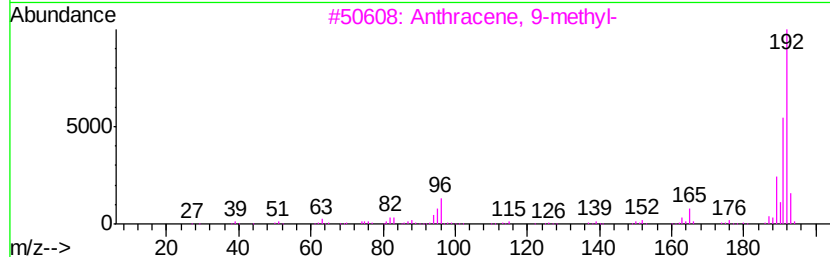
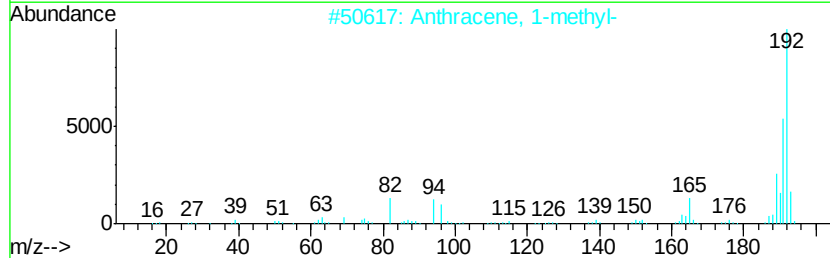
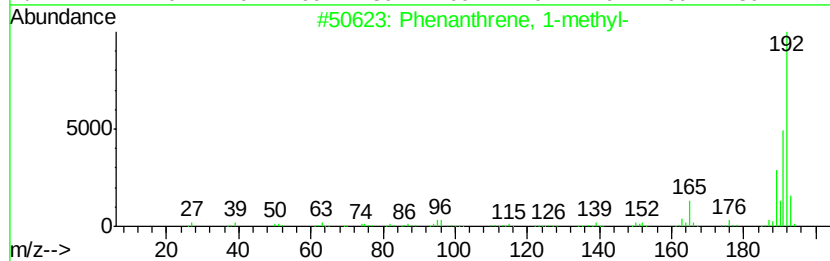
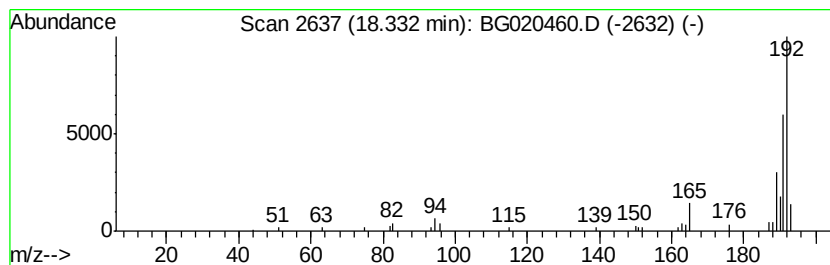
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.33	2.20 ng/ul	39423	Phenanthrene-d10	17.46		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90	
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90	
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020460.D
Acq On : 24 Dec 2015 2:02
Operator : UM/SJ
Sample : G4849-08MEDL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N72MEDL

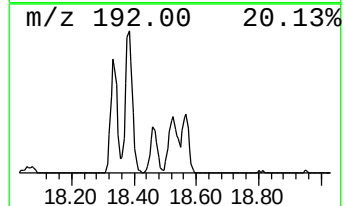
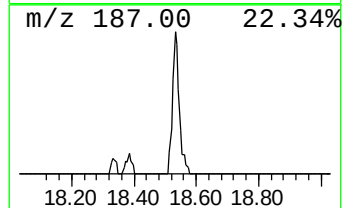
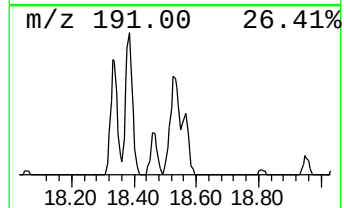
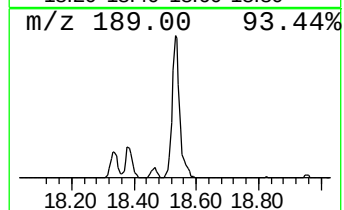
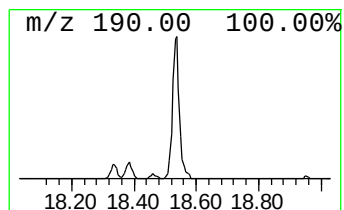
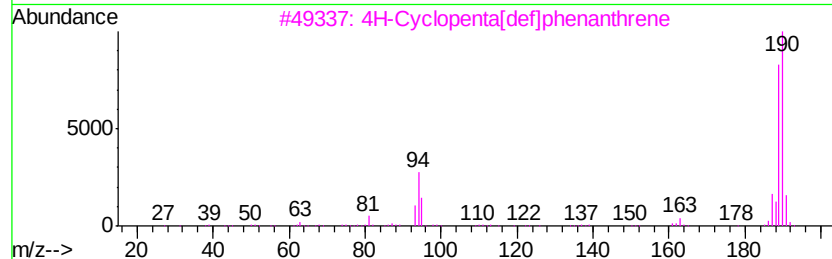
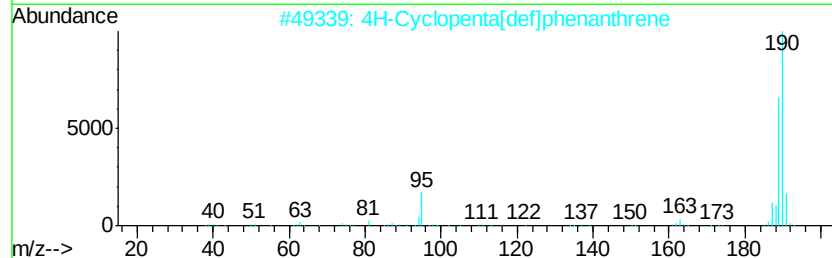
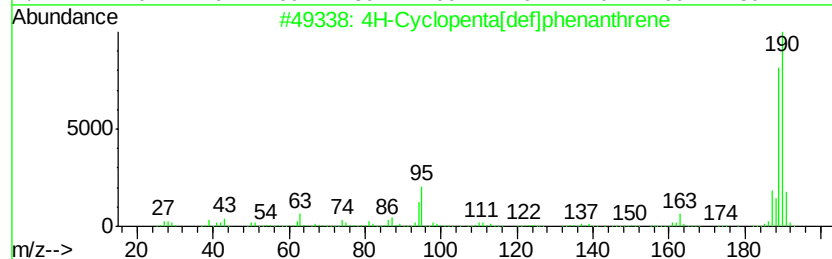
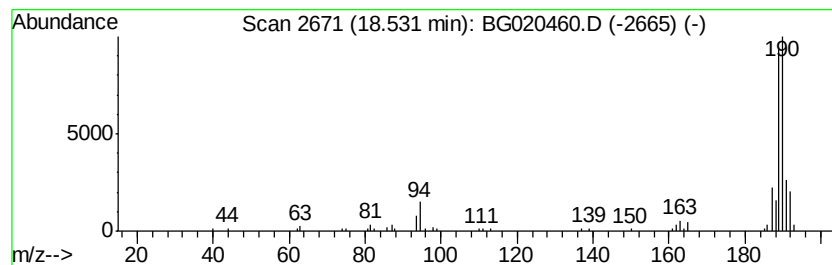
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.16 ng/ul	92477	Phenanthrene-d10	17.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5		4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020460.D
Acq On : 24 Dec 2015 2:02
Operator : UM/SJ
Sample : G4849-08MEDL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N72MEDL

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	5.7	ng/ul	53677	2	10.90	188680	20.0
Dibenzofuran, 4-m...	16.20	2.0	ng/ul	36519	4	17.46	358111	20.0
Naphtho[2,3-b]thi...	17.28	2.7	ng/ul	47836	4	17.46	358111	20.0
Phenanthrene, 1-m...	18.33	2.2	ng/ul	39423	4	17.46	358111	20.0
4H-Cyclopenta[def...	18.53	5.2	ng/ul	92477	4	17.46	358111	20.0