

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020457.D
 Acq On : 24 Dec 2015 00:04
 Operator : UM/SJ
 Sample : G4767-15MEDL 25X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N37MEDL

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	42	45	51	rVB4	6145	10328	1.54%	0.211%
2	8.084	887	893	903	rBB	50310	85972	12.83%	1.756%
3	8.624	980	985	992	rBB2	3831	6849	1.02%	0.140%
4	10.898	1365	1372	1376	rBV	71506	130157	19.43%	2.659%
5	10.951	1376	1381	1391	rVV	111721	197491	29.48%	4.034%
6	11.075	1394	1402	1406	rVB2	2179	3921	0.59%	0.080%
7	12.549	1647	1653	1660	rBV2	58403	93421	13.95%	1.908%
8	12.767	1683	1690	1696	rBV	27944	44296	6.61%	0.905%
9	13.548	1818	1823	1829	rBV	19727	29421	4.39%	0.601%
10	13.748	1851	1857	1865	rVB	5376	9053	1.35%	0.185%
11	13.877	1874	1879	1880	rBV2	7817	9082	1.36%	0.186%
12	14.036	1900	1906	1911	rBV2	11656	19590	2.92%	0.400%
13	14.089	1911	1915	1919	rBV3	7269	11684	1.74%	0.239%
14	14.271	1942	1946	1949	rBV	4154	5698	0.85%	0.116%
15	14.412	1963	1970	1972	rBV2	3663	6206	0.93%	0.127%
16	14.441	1972	1975	1982	rVB	8085	10750	1.60%	0.220%
17	14.717	2011	2022	2028	rBV2	133556	227249	33.92%	4.642%
18	14.782	2028	2033	2040	rVV	133093	204471	30.52%	4.177%
19	14.847	2040	2044	2048	rVV2	3541	5855	0.87%	0.120%
20	14.917	2052	2056	2064	rBB2	1587	3325	0.50%	0.068%
21	15.023	2069	2074	2079	rVV2	3468	5049	0.75%	0.103%
22	15.111	2083	2089	2097	rBV	88608	133114	19.87%	2.719%
23	15.181	2097	2101	2105	rVB	1807	2844	0.42%	0.058%
24	15.322	2120	2125	2131	rBB2	1624	2794	0.42%	0.057%
25	15.499	2150	2155	2158	rBV2	1413	2437	0.36%	0.050%
26	15.704	2186	2190	2194	rVB2	5690	7531	1.12%	0.154%
27	15.763	2194	2200	2209	rVB	123860	183837	27.44%	3.755%
28	15.851	2211	2215	2218	rBV2	3810	5798	0.87%	0.118%
29	15.887	2218	2221	2223	rVV2	6788	9162	1.37%	0.187%
30	15.922	2223	2227	2231	rVV2	12110	19321	2.88%	0.395%
31	15.969	2234	2235	2238	rVV	2455	2623	0.39%	0.054%
32	16.010	2238	2242	2245	rVV2	5488	8541	1.27%	0.174%
33	16.051	2245	2249	2257	rVB	14054	21553	3.22%	0.440%
34	16.198	2267	2274	2283	rBV	15468	31767	4.74%	0.649%

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35	16.292	2285	2290	2295	rVB3	2272	3713	0.55%	0.076%
36	16.556	2329	2335	2340	rBV	7559	10516	1.57%	0.215%
37	16.762	2359	2370	2375	rBV3	10711	21286	3.18%	0.435%
38	16.815	2375	2379	2383	rVB4	3845	5712	0.85%	0.117%
39	16.915	2390	2396	2402	rVB4	4248	7522	1.12%	0.154%
40	16.985	2402	2408	2411	rBV4	3478	6592	0.98%	0.135%
41	17.026	2411	2415	2419	rVV3	4378	7389	1.10%	0.151%
42	17.062	2419	2421	2425	rVV2	1884	2391	0.36%	0.049%
43	17.114	2426	2430	2435	rVB2	2532	3917	0.58%	0.080%
44	17.185	2438	2442	2445	rVV2	3860	7128	1.06%	0.146%
45	17.214	2445	2447	2450	rVV3	3363	3458	0.52%	0.071%
46	17.279	2453	2458	2466	rVB	26736	39740	5.93%	0.812%
47	17.461	2483	2489	2492	rBV	193691	296725	44.29%	6.062%
48	17.502	2492	2496	2502	rVV	435176	669910	100.00%	13.685%
49	17.561	2502	2506	2508	rVV2	12270	17580	2.62%	0.359%
50	17.590	2508	2511	2517	rVB	24444	35472	5.30%	0.725%
51	17.867	2550	2558	2566	rBV2	14286	27473	4.10%	0.561%
52	17.978	2573	2577	2583	rBV2	5644	9085	1.36%	0.186%
53	18.049	2583	2589	2591	rVV5	1712	2750	0.41%	0.056%
54	18.190	2606	2613	2617	rVB	2256	4047	0.60%	0.083%
55	18.337	2633	2638	2642	rBV2	23395	33365	4.98%	0.682%
56	18.384	2642	2646	2652	rVB2	32014	45020	6.72%	0.920%
57	18.460	2652	2659	2665	rBV2	8333	13840	2.07%	0.283%
58	18.536	2665	2672	2676	rBV	48423	83623	12.48%	1.708%
59	18.677	2692	2696	2700	rVV2	1718	2545	0.38%	0.052%
60	18.830	2717	2722	2726	rBV	20471	26534	3.96%	0.542%
61	18.871	2726	2729	2734	rVB4	2028	3112	0.46%	0.064%
62	18.954	2738	2743	2746	rVB2	1918	2532	0.38%	0.052%
63	19.071	2759	2763	2767	rBV2	2320	3201	0.48%	0.065%
64	19.124	2769	2772	2776	rVV2	2158	2534	0.38%	0.052%
65	19.247	2787	2793	2798	rBV2	4484	8728	1.30%	0.178%
66	19.306	2799	2803	2811	rVB6	3353	8070	1.20%	0.165%
67	19.512	2831	2838	2844	rBV	271334	380938	56.86%	7.782%
68	19.565	2845	2847	2850	rVV3	2131	2514	0.38%	0.051%
69	19.606	2850	2854	2857	rVB2	3065	3848	0.57%	0.079%
70	19.753	2875	2879	2887	rVV3	6019	10211	1.52%	0.209%
71	19.841	2888	2894	2895	rVV2	52149	66274	9.89%	1.354%

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72	19.870	2895	2899	2907	rVV	174436	255210	38.10%	5.213%
73	19.935	2907	2910	2919	rVB3	7212	11795	1.76%	0.241%
74	20.046	2922	2929	2935	rBV	8493	12564	1.88%	0.257%
75	20.111	2937	2940	2946	rVB2	2965	4536	0.68%	0.093%
76	20.193	2948	2954	2960	rBV4	6965	16602	2.48%	0.339%
77	20.246	2960	2963	2967	rVB2	3310	3997	0.60%	0.082%
78	20.317	2972	2975	2976	rVV2	3389	3140	0.47%	0.064%
79	20.358	2978	2982	2989	rVB	24002	35355	5.28%	0.722%
80	20.458	2994	2999	3004	rBV2	29024	40631	6.07%	0.830%
81	20.516	3004	3009	3012	rVV2	7307	12360	1.85%	0.252%
82	20.552	3013	3015	3019	rVB3	3733	4455	0.67%	0.091%
83	20.657	3030	3033	3037	rVB	3100	2879	0.43%	0.059%
84	20.704	3037	3041	3044	rBV3	3839	5136	0.77%	0.105%
85	20.881	3068	3071	3075	rBV2	3420	4931	0.74%	0.101%
86	21.075	3102	3104	3110	rBV6	3575	5391	0.80%	0.110%
87	21.310	3141	3144	3148	rBV2	5378	7588	1.13%	0.155%
88	21.351	3148	3151	3155	rVV3	5846	7380	1.10%	0.151%
89	21.404	3157	3160	3165	rVB4	4788	7347	1.10%	0.150%
90	21.733	3207	3216	3222	rBV2	251737	479009	71.50%	9.785%
91	21.780	3222	3224	3231	rVB	28250	38968	5.82%	0.796%
92	21.932	3247	3250	3260	rVB3	7457	13496	2.01%	0.276%
93	22.144	3283	3286	3296	rVB4	3119	6266	0.94%	0.128%
94	22.467	3335	3341	3348	rBV6	5911	12180	1.82%	0.249%
95	23.337	3482	3489	3496	rBV3	10843	25591	3.82%	0.523%
96	23.959	3591	3595	3598	rBV3	5982	10016	1.50%	0.205%
97	24.394	3662	3669	3678	rBV5	12070	37219	5.56%	0.760%
98	24.847	3739	3746	3760	rVB4	6059	17878	2.67%	0.365%
99	24.999	3762	3772	3789	rVV	125925	368176	54.96%	7.521%
100	27.308	4157	4165	4167	rBV4	6541	14635	2.18%	0.299%

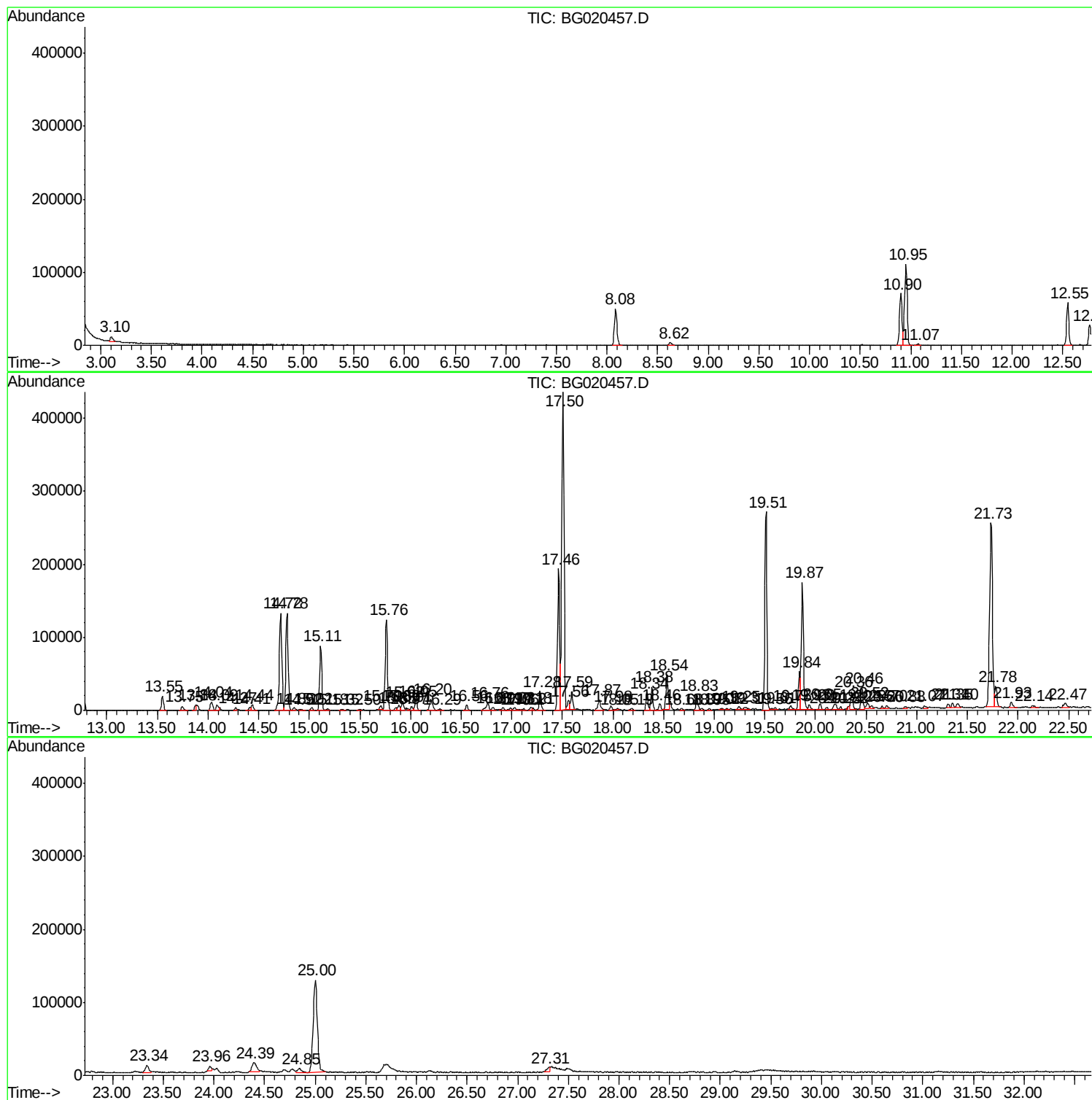
Sum of corrected areas: 4895216

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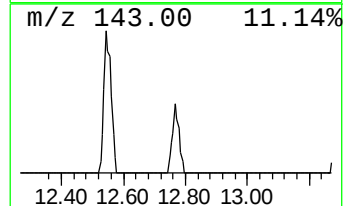
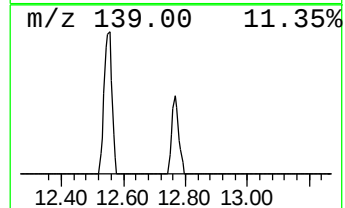
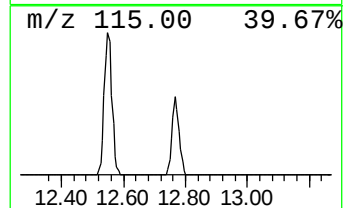
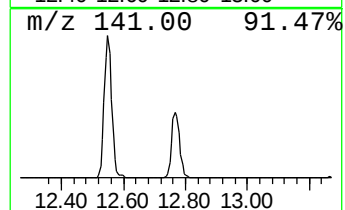
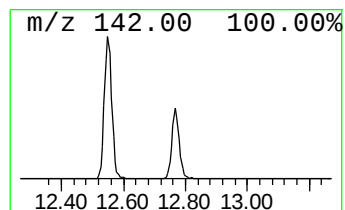
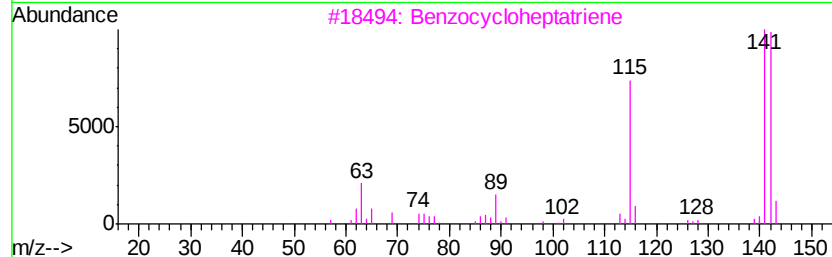
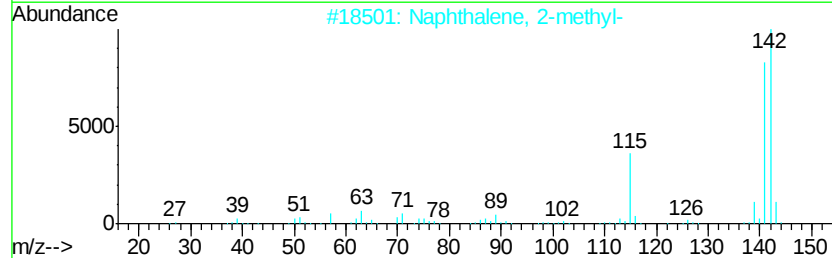
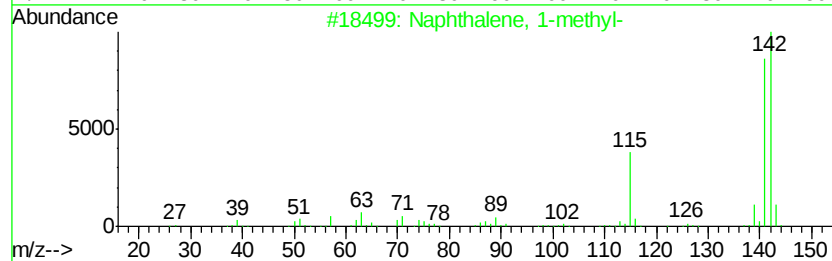
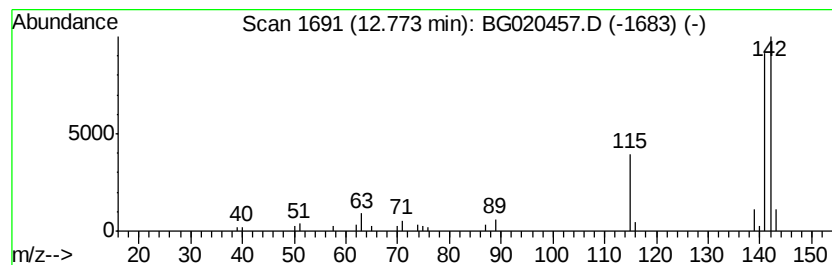
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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	6.81 ng/ul	44296	Naphthalene-d8	10.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87



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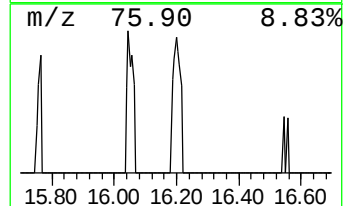
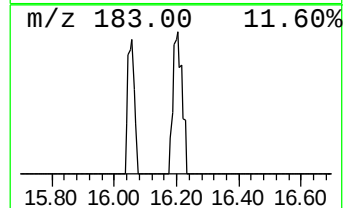
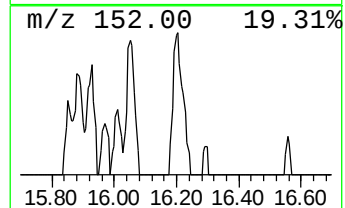
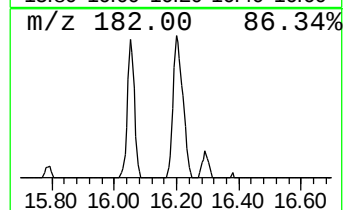
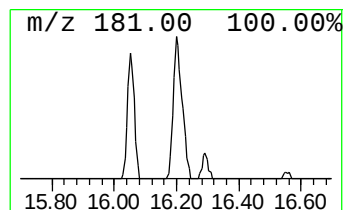
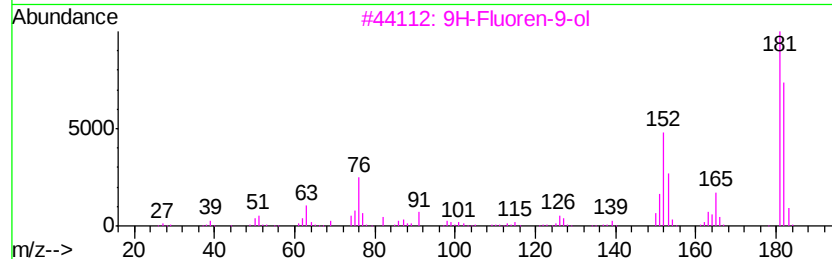
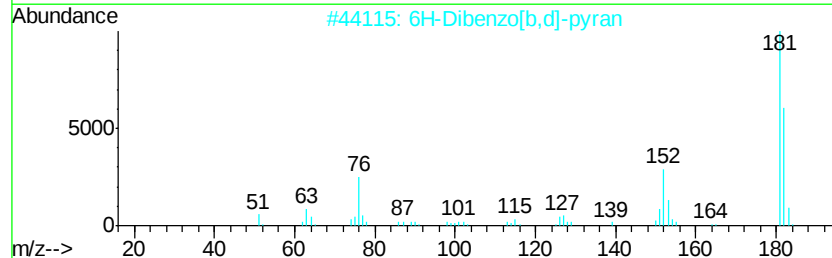
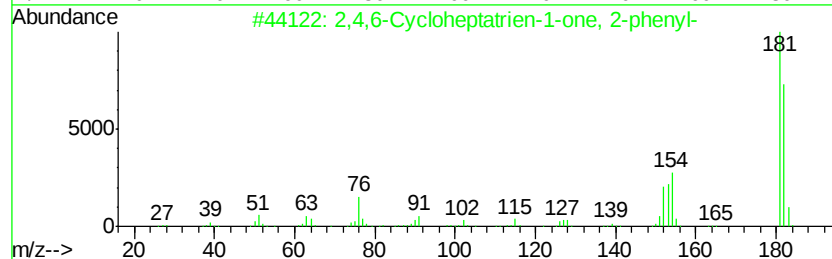
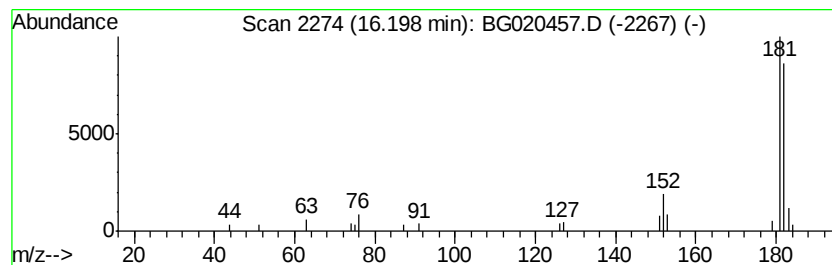
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.14 ng/ul	31767	Phenanthrene-d10	17.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83		
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	83		
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78		
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78		
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72		



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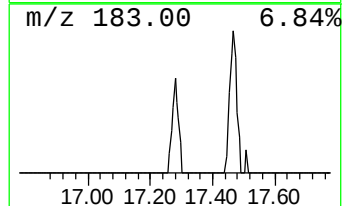
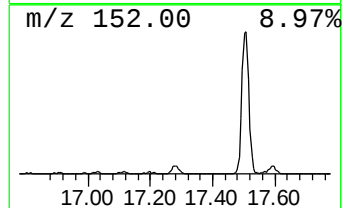
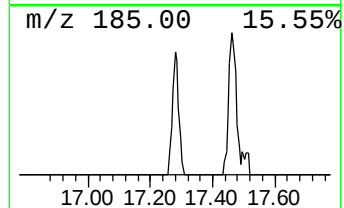
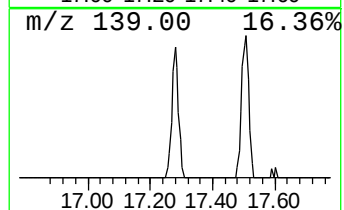
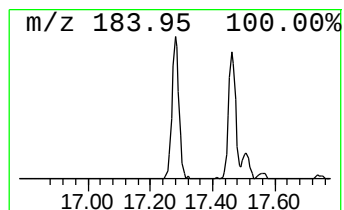
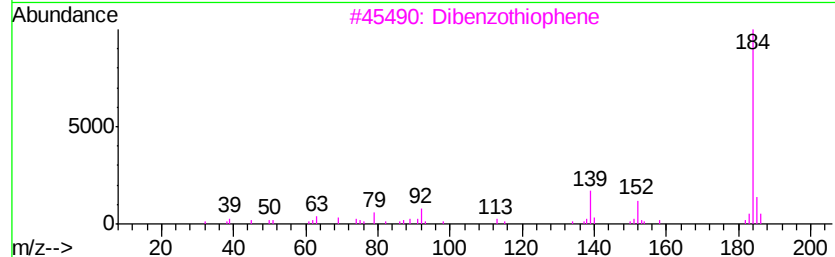
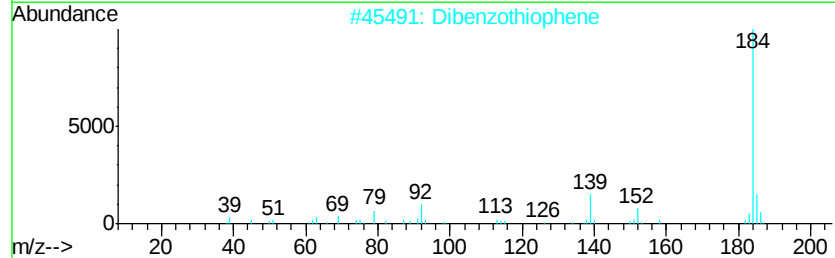
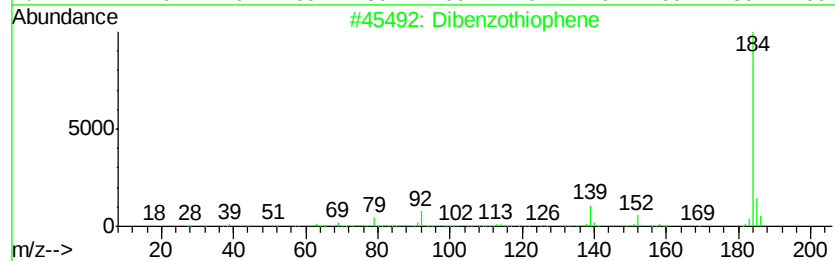
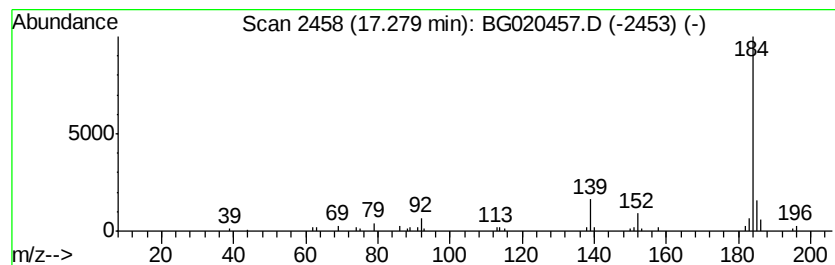
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.68 ng/ul	39740	Phenanthrene-d10	17.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Dibenzothiophene	184	C12H8S	000132-65-0	97
3			Dibenzothiophene	184	C12H8S	000132-65-0	94
4			Dibenzothiophene	184	C12H8S	000132-65-0	93
5			Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020457.D
Acq On : 24 Dec 2015 00:04
Operator : UM/SJ
Sample : G4767-15MEDL 25X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N37MEDL

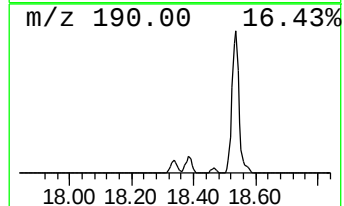
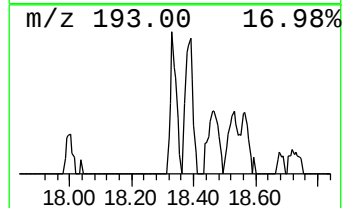
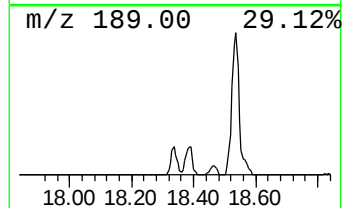
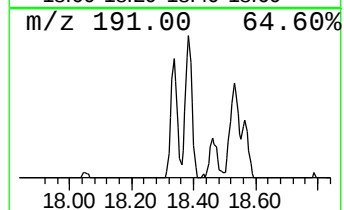
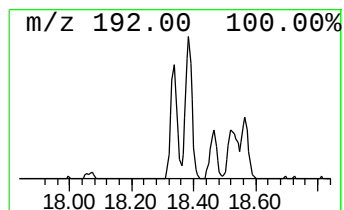
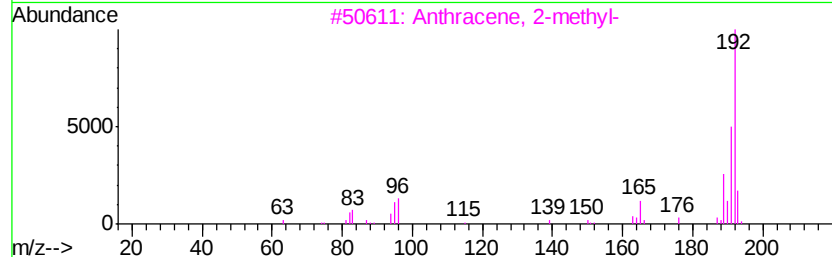
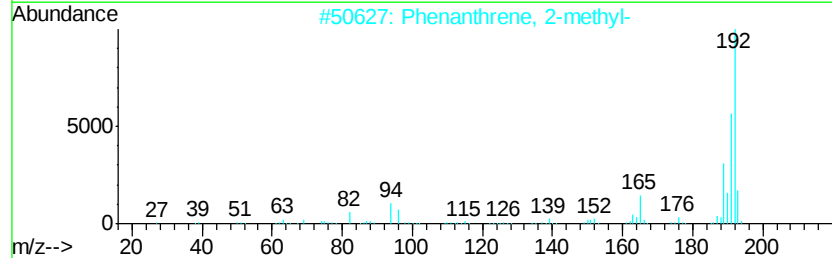
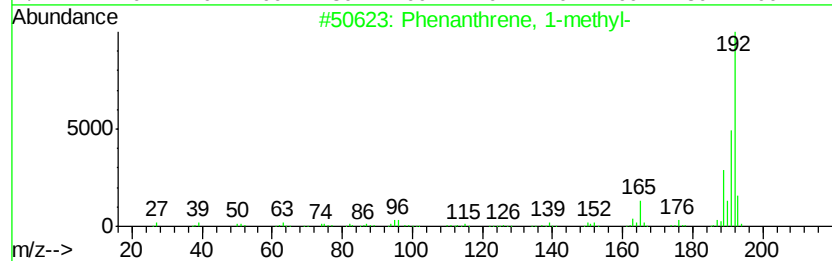
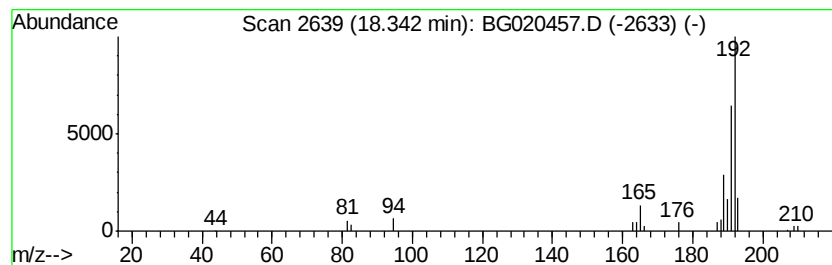
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Quant Title : SVOA CALIBRATION

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.
18.34	2.25 ng/ul	33365	Phenanthrene-d10	17.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020457.D
Acq On : 24 Dec 2015 00:04
Operator : UM/SJ
Sample : G4767-15MEDL 25X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N37MEDL

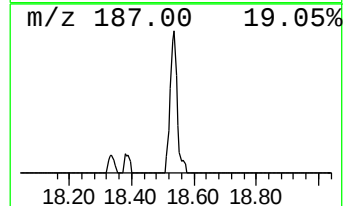
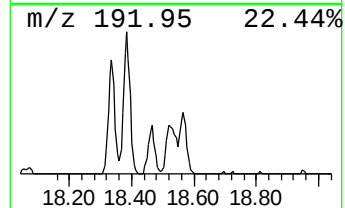
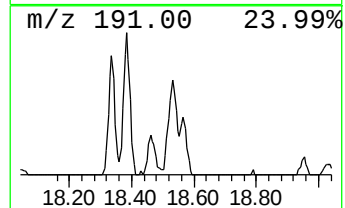
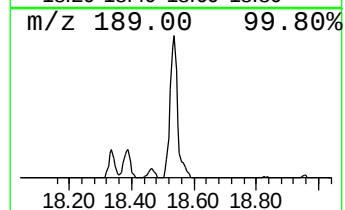
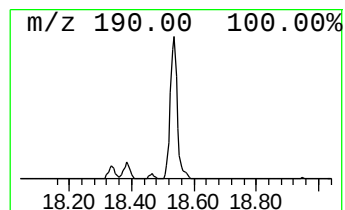
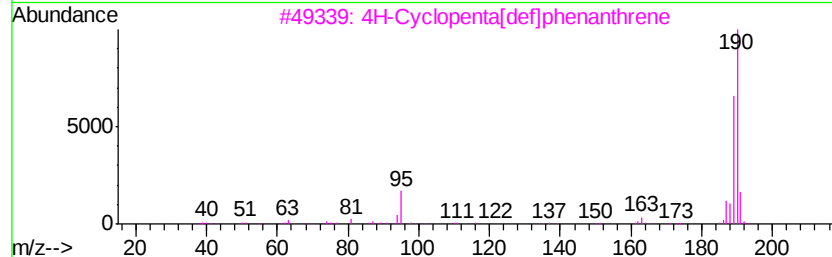
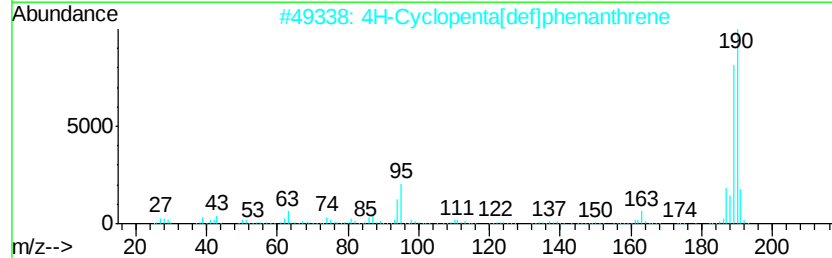
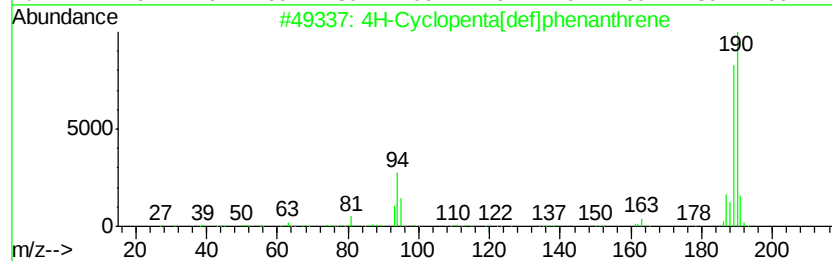
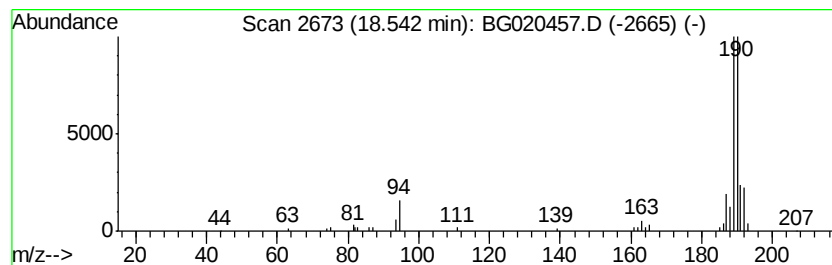
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Quant Title : SVOA CALIBRATION

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.
18.54	5.64 ng/ul	83623	Phenanthrene-d10	17.46

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	91
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020457.D
Acq On : 24 Dec 2015 00:04
Operator : UM/SJ
Sample : G4767-15MEDL 25X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
D9N37MEDL

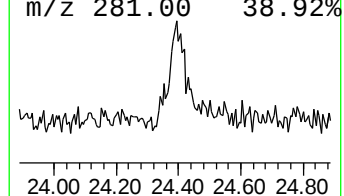
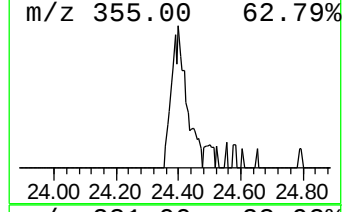
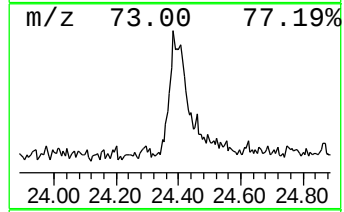
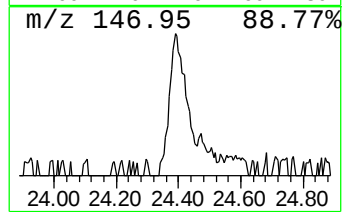
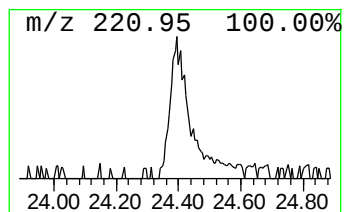
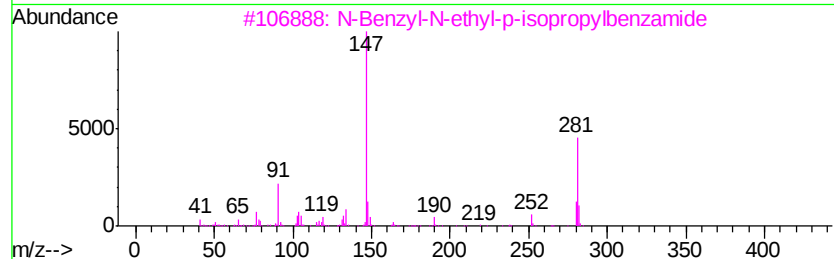
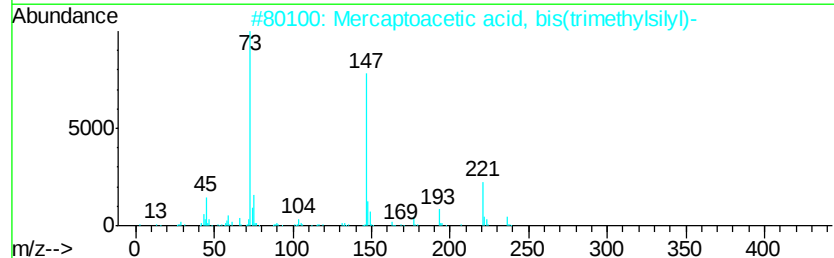
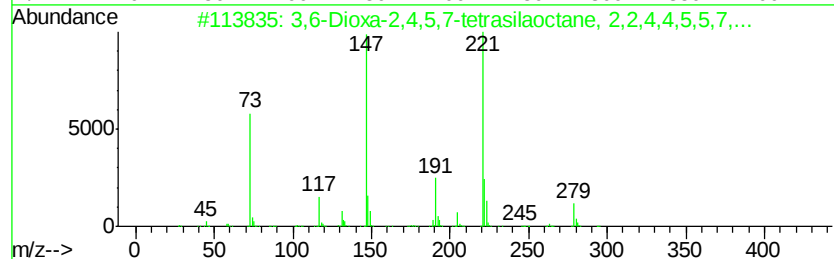
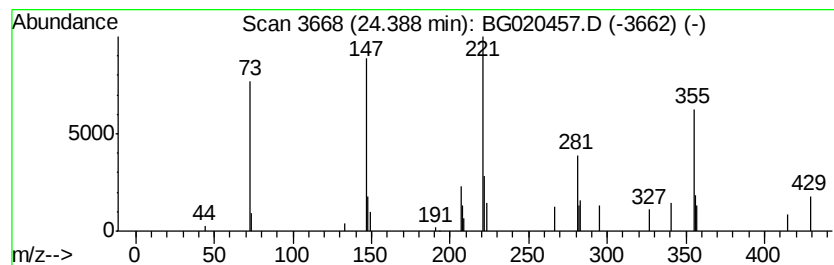
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	2.02 ng/ul	37219	Perylene-d12	25.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	43
2		Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	38
3		N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	22
4		Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	14
5		Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	12



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020457.D
Acq On : 24 Dec 2015 00:04
Operator : UM/SJ
Sample : G4767-15MEDL 25X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N37MEDL

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	6.8	ng/ul	44296	2	10.90	130157	20.0
2,4,6-Cycloheptat...	16.20	2.1	ng/ul	31767	4	17.46	296725	20.0
Dibenzothiophene	17.28	2.7	ng/ul	39740	4	17.46	296725	20.0
Phenanthrene, 1-m...	18.34	2.3	ng/ul	33365	4	17.46	296725	20.0
4H-Cyclopenta[def...	18.54	5.6	ng/ul	83623	4	17.46	296725	20.0
unknown-01	24.39	2.0	ng/ul	37219	6	25.01	368176	20.0