

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
 Data File : BG019526.D
 Acq On : 7 Nov 2015 00:00
 Operator : UM/NP
 Sample : G4291-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCY76

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-BG102815.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	2.892	7	9	16	rVB4	10771	12665	0.68%	0.072%
2	3.127	43	49	57	rBV	99294	181260	9.75%	1.037%
3	3.209	57	63	79	rVB	572103	888985	47.81%	5.084%
4	3.485	107	110	113	rBV4	2567	2885	0.16%	0.017%
5	3.849	168	172	179	rVB5	3893	7819	0.42%	0.045%
6	4.272	240	244	250	rVB	3997	5919	0.32%	0.034%
7	4.378	257	262	265	rVB4	2049	3374	0.18%	0.019%
8	4.643	303	307	312	rBV3	7080	10582	0.57%	0.061%
9	4.731	317	322	325	rBV3	7399	11513	0.62%	0.066%
10	5.659	476	480	481	rBV	3119	2618	0.14%	0.015%
11	5.976	530	534	537	rBV4	1791	2664	0.14%	0.015%
12	6.540	627	630	634	rBV3	2531	3209	0.17%	0.018%
13	6.664	646	651	655	rBV2	4516	5636	0.30%	0.032%
14	7.140	729	732	734	rBV2	2575	2876	0.15%	0.016%
15	7.275	748	755	757	rBV5	9910	16568	0.89%	0.095%
16	7.322	758	763	771	rVB	51549	90865	4.89%	0.520%
17	7.492	786	792	800	rVB	153900	254678	13.70%	1.457%
18	7.704	820	828	838	rVB	158506	276061	14.85%	1.579%
19	8.180	900	909	915	rBV	152860	256127	13.77%	1.465%
20	8.227	915	917	921	rVB4	10282	12154	0.65%	0.070%
21	8.720	997	1001	1004	rBV3	2146	2934	0.16%	0.017%
22	8.791	1012	1013	1018	rVB4	3731	3661	0.20%	0.021%
23	8.885	1022	1029	1039	rVV	132843	235882	12.69%	1.349%
24	9.008	1044	1050	1055	rVB3	5680	10846	0.58%	0.062%
25	9.284	1090	1097	1101	rBV2	20482	35048	1.88%	0.200%
26	9.349	1101	1108	1121	rVB	217785	390502	21.00%	2.233%
27	9.748	1171	1176	1179	rVB4	6295	11282	0.61%	0.065%
28	10.077	1225	1232	1242	rVB2	198718	361076	19.42%	2.065%
29	10.224	1253	1257	1260	rBV2	2357	3625	0.19%	0.021%
30	10.283	1264	1267	1269	rBV	2363	2653	0.14%	0.015%
31	10.618	1315	1324	1334	rBV	273973	486483	26.16%	2.782%
32	10.753	1342	1347	1349	rBV	2676	4676	0.25%	0.027%
33	10.771	1349	1350	1356	rVB4	3923	4668	0.25%	0.027%
34	10.900	1367	1372	1378	rVB5	9548	18048	0.97%	0.103%

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35	11.006	1382	1390	1403	rBV	205203	380787	20.48%	2.178%
36	11.664	1500	1502	1505	rVB2	2807	3019	0.16%	0.017%
37	11.952	1548	1551	1554	rBV4	1719	2889	0.16%	0.017%
38	12.010	1558	1561	1566	rBV2	1754	2947	0.16%	0.017%
39	12.228	1595	1598	1601	rBV2	8950	13010	0.70%	0.074%
40	12.269	1601	1605	1612	rVB2	24992	37785	2.03%	0.216%
41	12.586	1653	1659	1663	rBV4	5303	9929	0.53%	0.057%
42	13.168	1753	1758	1765	rVB3	10319	16136	0.87%	0.092%
43	13.256	1770	1773	1774	rBV	3626	2710	0.15%	0.015%
44	13.409	1795	1799	1806	rVB2	17096	26304	1.41%	0.150%
45	13.720	1840	1852	1859	rBV	97858	158083	8.50%	0.904%
46	14.202	1928	1934	1941	rBV	598283	858164	46.15%	4.908%
47	14.325	1952	1955	1961	rVB3	2467	3933	0.21%	0.022%
48	14.507	1979	1986	1993	rVB	584850	896423	48.21%	5.127%
49	14.813	2029	2038	2044	rBV2	372002	627888	33.77%	3.591%
50	14.872	2044	2048	2057	rVB3	16270	24866	1.34%	0.142%
51	14.989	2063	2068	2076	rBV	63233	102793	5.53%	0.588%
52	15.189	2100	2102	2105	rBV	2050	2746	0.15%	0.016%
53	15.371	2131	2133	2138	rVB3	2183	3202	0.17%	0.018%
54	15.465	2145	2149	2154	rVB	21888	28888	1.55%	0.165%
55	15.600	2166	2172	2176	rVB7	9459	17781	0.96%	0.102%
56	15.747	2191	2197	2200	rBV2	23105	32138	1.73%	0.184%
57	15.794	2200	2205	2214	rVB	825124	1232348	66.27%	7.048%
58	15.906	2217	2224	2231	rBV	334706	491173	26.41%	2.809%
59	16.035	2242	2246	2253	rVB2	9815	13078	0.70%	0.075%
60	16.153	2260	2266	2270	rBV3	11223	17763	0.96%	0.102%
61	16.482	2320	2322	2327	rVB	2571	2995	0.16%	0.017%
62	16.576	2331	2338	2339	rBV4	2498	3220	0.17%	0.018%
63	16.670	2349	2354	2357	rBV4	8283	10697	0.58%	0.061%
64	16.781	2372	2373	2376	rVB3	4012	2689	0.14%	0.015%
65	16.993	2405	2409	2413	rBV2	20038	25600	1.38%	0.146%
66	17.128	2428	2432	2435	rBV3	2616	4275	0.23%	0.024%
67	17.281	2455	2458	2461	rVB3	3343	4297	0.23%	0.025%
68	17.334	2464	2467	2472	rVB3	4343	6515	0.35%	0.037%
69	17.480	2490	2492	2495	rVB	3639	3747	0.20%	0.021%
70	17.551	2495	2504	2510	rBV	603084	889475	47.83%	5.087%
71	17.645	2513	2520	2528	rVB	941574	1450792	78.02%	8.297%

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72	17.809	2543	2548	2552	rBV2	11350	16902	0.91%	0.097%
73	18.062	2586	2591	2597	rBV2	12226	17786	0.96%	0.102%
74	18.197	2609	2614	2619	rBV2	193676	255004	13.71%	1.458%
75	18.373	2640	2644	2645	rBV2	5300	6570	0.35%	0.038%
76	18.491	2660	2664	2667	rBV	13182	14633	0.79%	0.084%
77	18.532	2667	2671	2675	rBV3	8156	10985	0.59%	0.063%
78	18.673	2690	2695	2699	rBV6	12012	18983	1.02%	0.109%
79	18.914	2733	2736	2740	rBV2	3242	5076	0.27%	0.029%
80	19.002	2745	2751	2757	rVB6	18014	27567	1.48%	0.158%
81	19.231	2786	2790	2795	rBV6	1671	3229	0.17%	0.018%
82	19.284	2795	2799	2801	rBV5	2876	3297	0.18%	0.019%
83	19.554	2841	2845	2850	rVB2	13942	21177	1.14%	0.121%
84	19.725	2872	2874	2876	rBV2	3587	3135	0.17%	0.018%
85	19.784	2881	2884	2886	rBV3	8244	10697	0.58%	0.061%
86	19.925	2902	2908	2914	rBV	1323935	1789269	96.22%	10.233%
87	19.995	2918	2920	2925	rVB5	3397	4382	0.24%	0.025%
88	20.318	2973	2975	2977	rBV3	2666	3082	0.17%	0.018%
89	20.471	2997	3001	3003	rBV4	8851	12942	0.70%	0.074%
90	21.828	3225	3232	3239	rBV	754548	1207669	64.95%	6.907%
91	24.455	3677	3679	3680	rBV2	6186	5392	0.29%	0.031%
92	24.948	3752	3763	3777	rVB	652813	1859523	100.00%	10.635%
93	25.177	3792	3802	3813	rVB2	405981	1151261	61.91%	6.584%
94	30.289	4670	4672	4674	rBV3	6185	5260	0.28%	0.030%

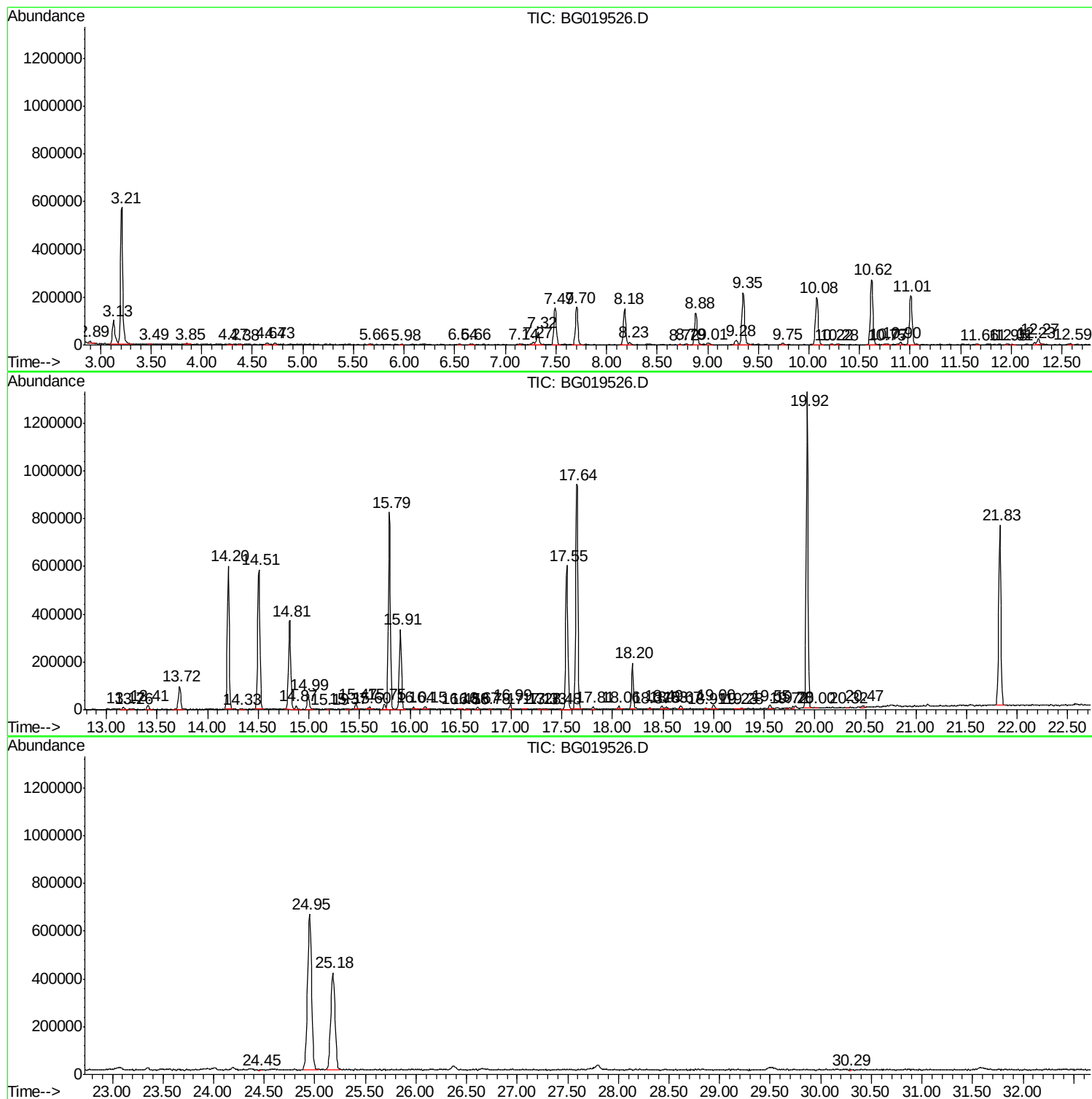
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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



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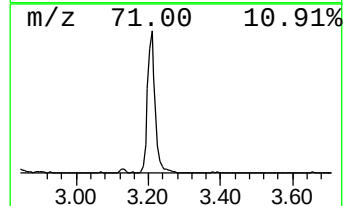
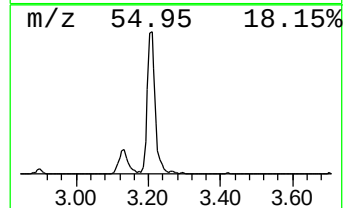
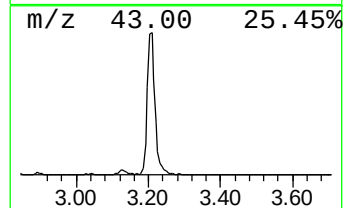
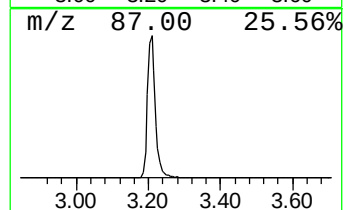
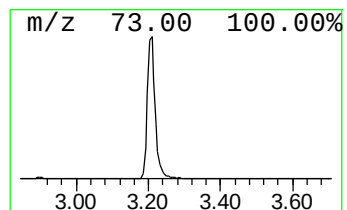
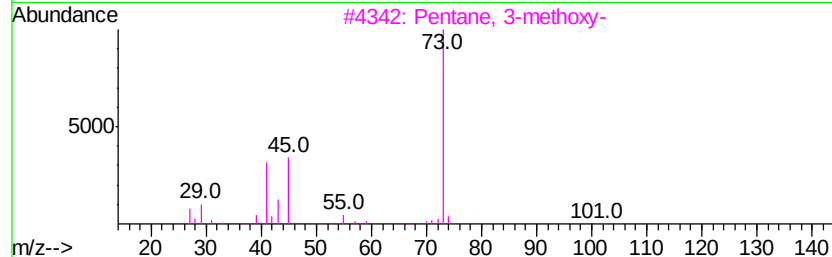
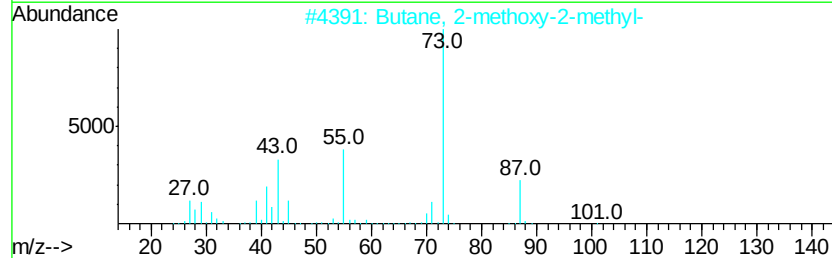
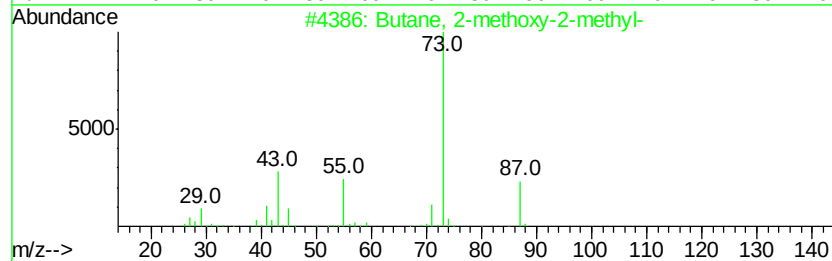
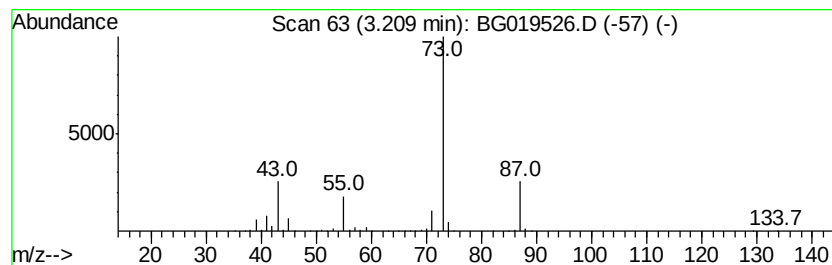
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	69.42 ng/ul	888985	1,4-Dichlorobenzene-d4	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	40
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9



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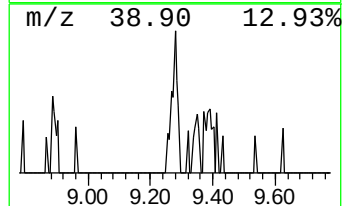
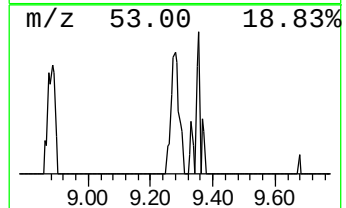
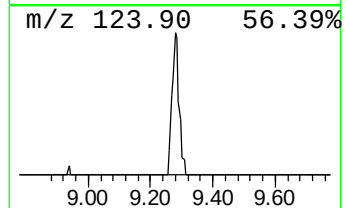
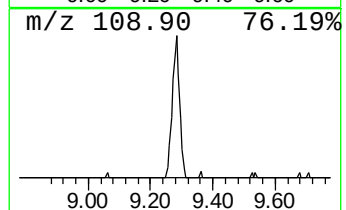
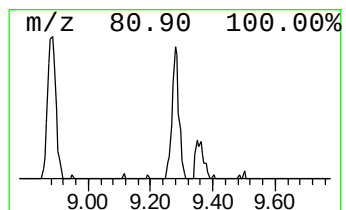
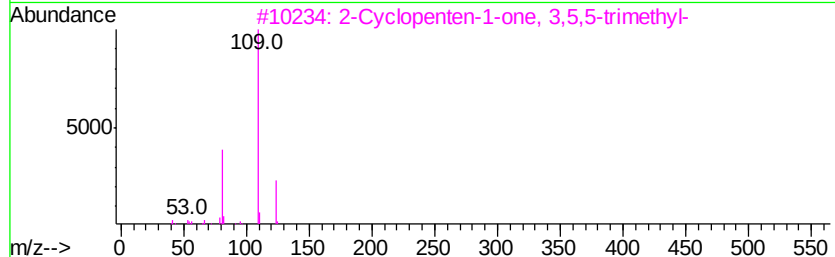
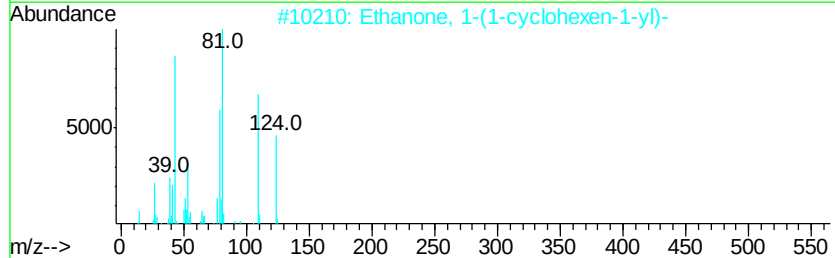
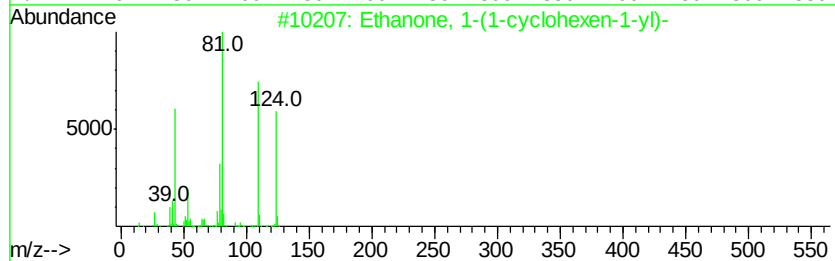
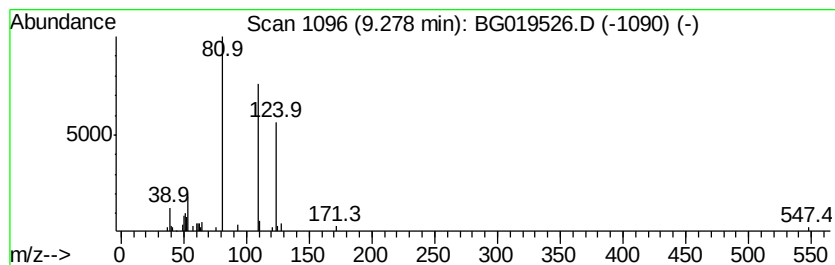
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Ethanone, 1-(1-cyclohexen-1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	2.74 ng/ul	35048	1,4-Dichlorobenzene-d4	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	86
2		Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	78
3		2-Cyclopenten-1-one, 3,5,5-trimethyl-	124	C8H12O	024156-95-4	78
4		Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	78
5		Mequinol	124	C7H8O2	000150-76-5	49



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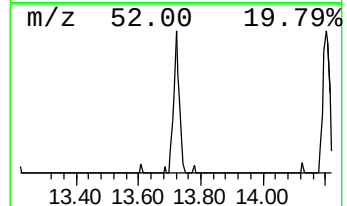
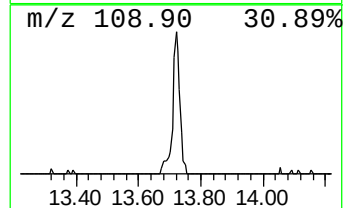
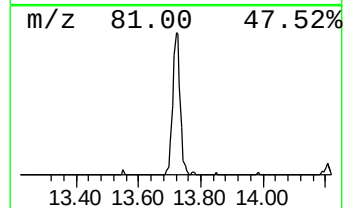
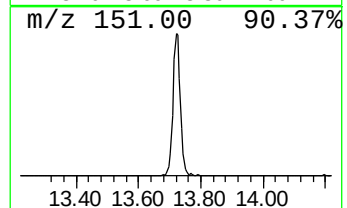
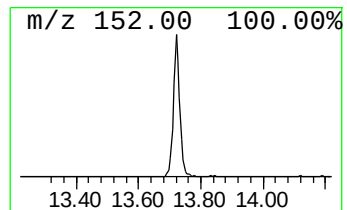
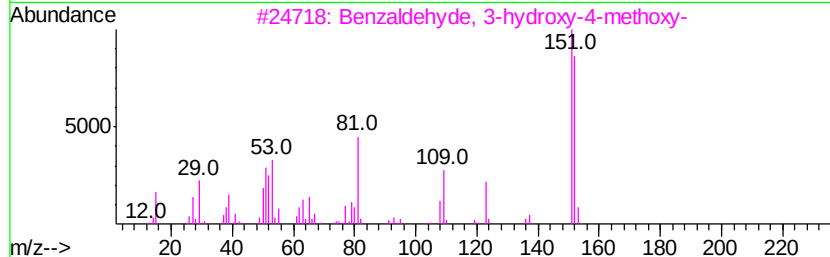
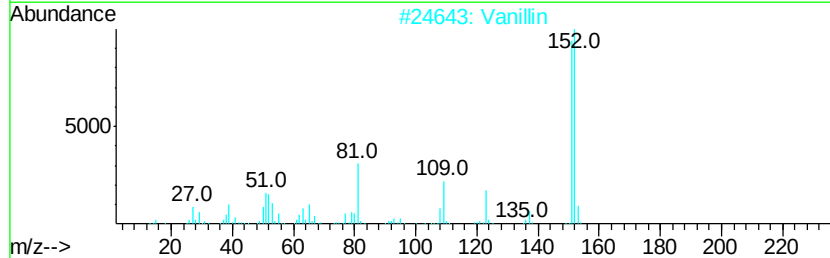
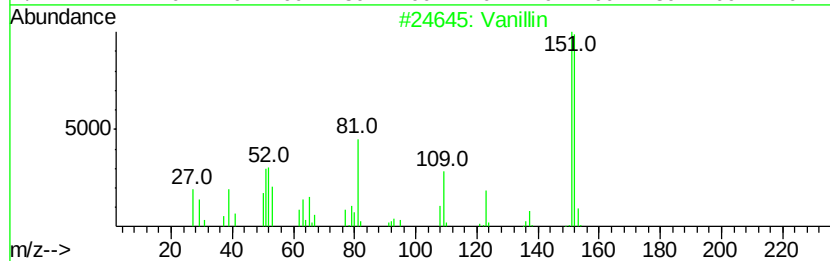
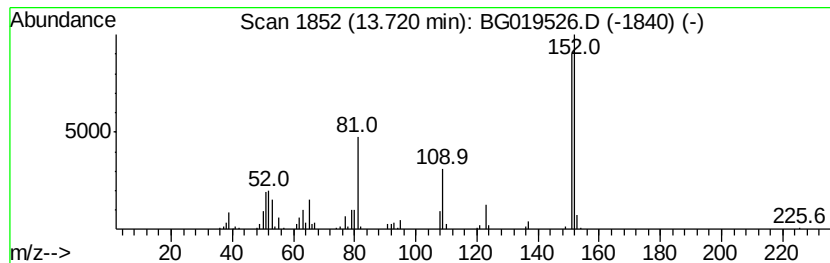
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Vanillin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.04 ng/ul	158083	Acenaphthene-d10	14.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin		152	C8H8O3	000121-33-5	94
2	Vanillin		152	C8H8O3	000121-33-5	91
3	Benzaldehyde, 3-hydroxy-4-methoxy-		152	C8H8O3	000621-59-0	91
4	Benzaldehyde, 3-hydroxy-4-methoxy-		152	C8H8O3	000621-59-0	91
5	4-Hydroxy-2-methoxybenzaldehyde		152	C8H8O3	018278-34-7	62



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BCY76

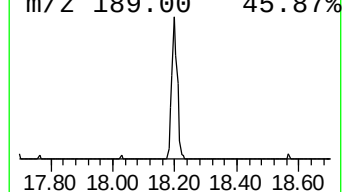
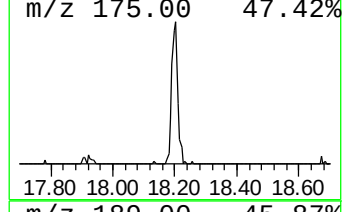
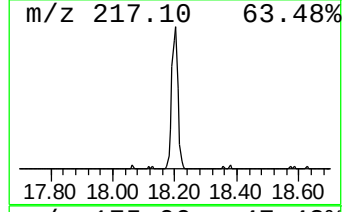
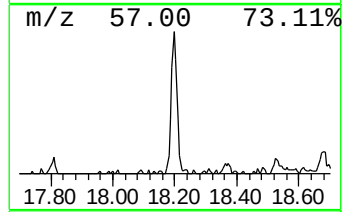
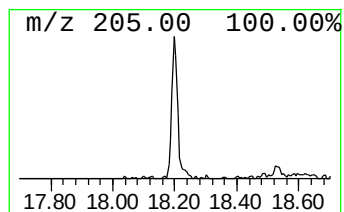
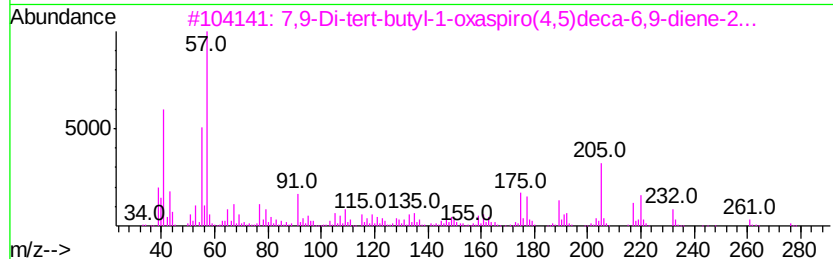
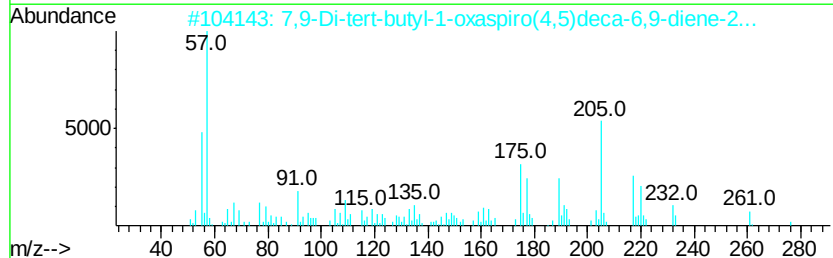
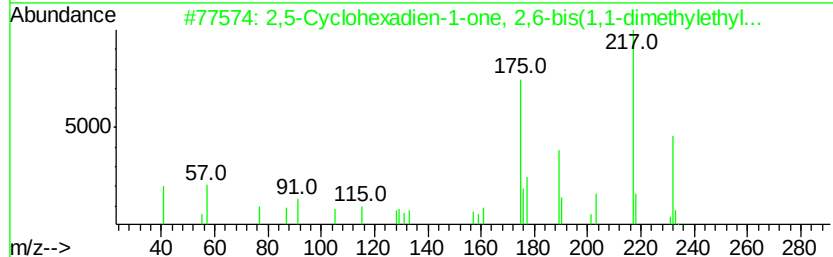
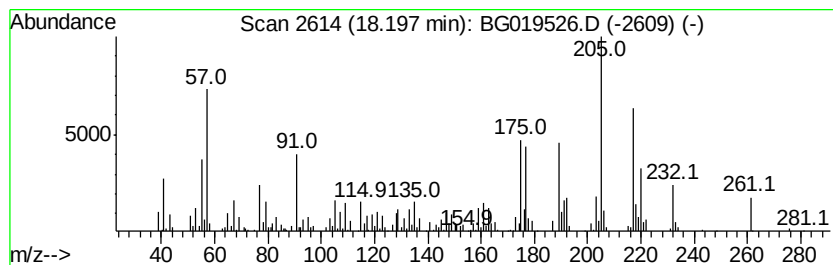
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 2,5-Cyclohexadien-1-one, 2,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	5.73 ng/ul	255004	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadien-1-one, 2,6-bis...	232	C16H24O	006738-27-8	86
2		7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	78
3		7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	46
4		Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	41
5		7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110615\
Data File : BG019526.D
Acq On : 7 Nov 2015 00:00
Operator : UM/NP
Sample : G4291-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BCY76

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Butane, 2-methoxy...	3.21	69.4	ng/ul	888985	1	8.18	256127	20.0
Ethanone, 1-(1-cy...	9.28	2.7	ng/ul	35048	1	8.18	256127	20.0
Vanillin	13.72	5.0	ng/ul	158083	3	14.81	627888	20.0
2,5-Cyclohexadien...	18.20	5.7	ng/ul	255004	4	17.55	889475	20.0