

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
 Data File : BG020822.D
 Acq On : 9 Feb 2016 18:06
 Operator : SJ/UM
 Sample : H1371-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C04N3

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-BG020816.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	3.255	65	71	79	rVV	71200	134618	27.42%	2.020%
2	3.332	79	84	90	rVB	66269	89282	18.19%	1.340%
3	3.602	127	130	137	rVB	1906	2735	0.56%	0.041%
4	4.148	219	223	228	rVV	5972	8624	1.76%	0.129%
5	4.383	260	263	271	rVB2	1249	1845	0.38%	0.028%
6	5.323	417	423	428	rBV2	2048	3507	0.71%	0.053%
7	6.939	693	698	704	rBB	6130	9123	1.86%	0.137%
8	7.408	770	778	788	rBV	50910	89501	18.23%	1.343%
9	7.585	802	808	814	rBV	43740	71283	14.52%	1.070%
10	7.708	822	829	834	rVB2	2964	4686	0.95%	0.070%
11	7.796	837	844	855	rBB	53390	88539	18.03%	1.329%
12	8.272	917	925	932	rBB	75364	125482	25.56%	1.883%
13	8.965	1034	1043	1049	rBV	66779	112007	22.81%	1.681%
14	9.024	1049	1053	1058	rVB2	1045	1860	0.38%	0.028%
15	9.441	1117	1124	1131	rBB	48426	83459	17.00%	1.252%
16	9.517	1134	1137	1141	rVB3	1639	2302	0.47%	0.035%
17	10.169	1241	1248	1255	rVB	36501	63422	12.92%	0.952%
18	10.704	1332	1339	1348	rBV	71015	121837	24.82%	1.828%
19	11.098	1399	1406	1412	rBV	131716	226548	46.14%	3.399%
20	11.145	1412	1414	1420	rVB2	3205	4790	0.98%	0.072%
21	11.221	1420	1427	1436	rBV	43107	78787	16.05%	1.182%
22	12.731	1679	1684	1690	rBB	4070	6320	1.29%	0.095%
23	12.948	1715	1721	1725	rVB	2708	3978	0.81%	0.060%
24	13.694	1844	1848	1853	rBV2	3270	5526	1.13%	0.083%
25	14.211	1930	1936	1941	rBV4	12875	18397	3.75%	0.276%
26	14.282	1941	1948	1952	rVV	127034	187729	38.24%	2.817%
27	14.323	1952	1955	1962	rVB	54371	76195	15.52%	1.143%
28	14.387	1962	1966	1971	rVB	1483	2582	0.53%	0.039%
29	14.581	1992	1999	2005	rBV	169322	261022	53.17%	3.917%
30	14.757	2023	2029	2034	rVB	13758	18003	3.67%	0.270%
31	14.840	2039	2043	2044	rVV3	2764	3093	0.63%	0.046%
32	14.887	2044	2051	2057	rVV2	195533	319811	65.14%	4.799%
33	14.945	2057	2061	2066	rVV	16580	26556	5.41%	0.398%
34	15.045	2072	2078	2085	rVV	46638	75222	15.32%	1.129%

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35	15.098	2085	2087	2088	rVV2	1706	1632	0.33%	0.024%
36	15.122	2088	2091	2097	rVV3	5324	7236	1.47%	0.109%
37	15.204	2099	2105	2110	rVV6	4131	8444	1.72%	0.127%
38	15.280	2110	2118	2126	rVB	9301	19782	4.03%	0.297%
39	15.368	2126	2133	2141	rVB6	3189	7682	1.56%	0.115%
40	15.439	2141	2145	2150	rBV3	2374	4261	0.87%	0.064%
41	15.603	2168	2173	2178	rBV3	976	1789	0.36%	0.027%
42	15.662	2178	2183	2185	rVV2	2585	3586	0.73%	0.054%
43	15.703	2185	2190	2195	rVB	18773	25428	5.18%	0.382%
44	15.785	2201	2204	2207	rVB4	6824	7690	1.57%	0.115%
45	15.868	2212	2218	2224	rVV	209398	317490	64.67%	4.764%
46	15.926	2224	2228	2231	rVV2	11200	16145	3.29%	0.242%
47	15.973	2231	2236	2242	rVB	32279	44712	9.11%	0.671%
48	16.108	2251	2259	2262	rBV5	6726	16942	3.45%	0.254%
49	16.220	2273	2278	2282	rBV4	4150	7326	1.49%	0.110%
50	16.302	2288	2292	2294	rVV2	3745	6212	1.27%	0.093%
51	16.326	2294	2296	2299	rVV2	5390	5741	1.17%	0.086%
52	16.373	2299	2304	2309	rVB3	4066	7693	1.57%	0.115%
53	16.432	2311	2314	2320	rVB5	4484	7069	1.44%	0.106%
54	16.561	2332	2336	2339	rBV	19666	27090	5.52%	0.406%
55	16.590	2339	2341	2346	rVB2	18097	23759	4.84%	0.357%
56	16.684	2352	2357	2362	rBV	31660	44010	8.96%	0.660%
57	16.743	2362	2367	2374	rVV2	31636	63487	12.93%	0.953%
58	16.808	2374	2378	2382	rVV	34051	46874	9.55%	0.703%
59	16.849	2382	2385	2390	rVV	18192	24701	5.03%	0.371%
60	16.901	2390	2394	2396	rVV3	11113	16699	3.40%	0.251%
61	16.925	2396	2398	2400	rVV	12727	14995	3.05%	0.225%
62	16.954	2400	2403	2407	rVV	12635	19070	3.88%	0.286%
63	17.007	2407	2412	2418	rVB4	28332	54790	11.16%	0.822%
64	17.072	2418	2423	2427	rBV	36402	51098	10.41%	0.767%
65	17.113	2427	2430	2432	rVV2	9568	13817	2.81%	0.207%
66	17.148	2432	2436	2441	rVB2	18040	27976	5.70%	0.420%
67	17.272	2452	2457	2464	rBV	12619	20338	4.14%	0.305%
68	17.354	2465	2471	2476	rVV3	13724	21893	4.46%	0.329%
69	17.407	2477	2480	2482	rVV3	5447	7016	1.43%	0.105%
70	17.442	2482	2486	2491	rVV3	6414	10858	2.21%	0.163%
71	17.483	2491	2493	2496	rVB4	2343	2990	0.61%	0.045%

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72	17.624	2510	2517	2520	rBV	210842	321637	65.51%	4.826%
73	17.665	2520	2524	2528	rVB	122159	172835	35.20%	2.593%
74	17.718	2528	2533	2538	rBV2	190462	286787	58.41%	4.303%
75	17.806	2545	2548	2553	rBV4	4210	7026	1.43%	0.105%
76	17.982	2573	2578	2579	rBV5	3117	3659	0.75%	0.055%
77	18.012	2579	2583	2589	rVV	16476	27943	5.69%	0.419%
78	18.088	2592	2596	2599	rBV3	3873	5436	1.11%	0.082%
79	18.135	2603	2604	2607	rVV3	1807	1619	0.33%	0.024%
80	18.194	2611	2614	2619	rBV6	2492	4298	0.88%	0.064%
81	18.482	2658	2663	2669	rBV4	46479	74543	15.18%	1.119%
82	18.540	2669	2673	2679	rVV2	21221	35815	7.29%	0.537%
83	18.623	2683	2687	2690	rVB6	5710	9120	1.86%	0.137%
84	18.687	2693	2698	2702	rVV3	17931	34507	7.03%	0.518%
85	18.717	2702	2703	2708	rVB2	11482	10391	2.12%	0.156%
86	18.775	2711	2713	2717	rBV5	4737	7837	1.60%	0.118%
87	18.981	2744	2748	2751	rBV	10170	14361	2.93%	0.215%
88	19.022	2751	2755	2760	rVB	17497	26067	5.31%	0.391%
89	19.392	2815	2818	2823	rVB4	11100	14003	2.85%	0.210%
90	19.533	2839	2842	2845	rBV	10673	14142	2.88%	0.212%
91	19.657	2857	2863	2868	rVB	211544	299770	61.06%	4.498%
92	19.739	2875	2877	2882	rVB4	17659	21435	4.37%	0.322%
93	19.986	2914	2919	2922	rBV	243880	388343	79.10%	5.827%
94	20.015	2922	2924	2931	rVB	187008	214578	43.71%	3.220%
95	21.513	3176	3179	3184	rBV2	36611	46311	9.43%	0.695%
96	21.771	3219	3223	3231	rVB	113502	168990	34.42%	2.536%
97	21.906	3238	3246	3251	rBV2	204488	490953	100.00%	7.367%
98	21.953	3251	3254	3263	rVB	86831	148761	30.30%	2.232%
99	25.067	3778	3784	3790	rVB	83340	191461	39.00%	2.873%
100	25.296	3816	3823	3832	rBV2	101231	284639	57.98%	4.271%

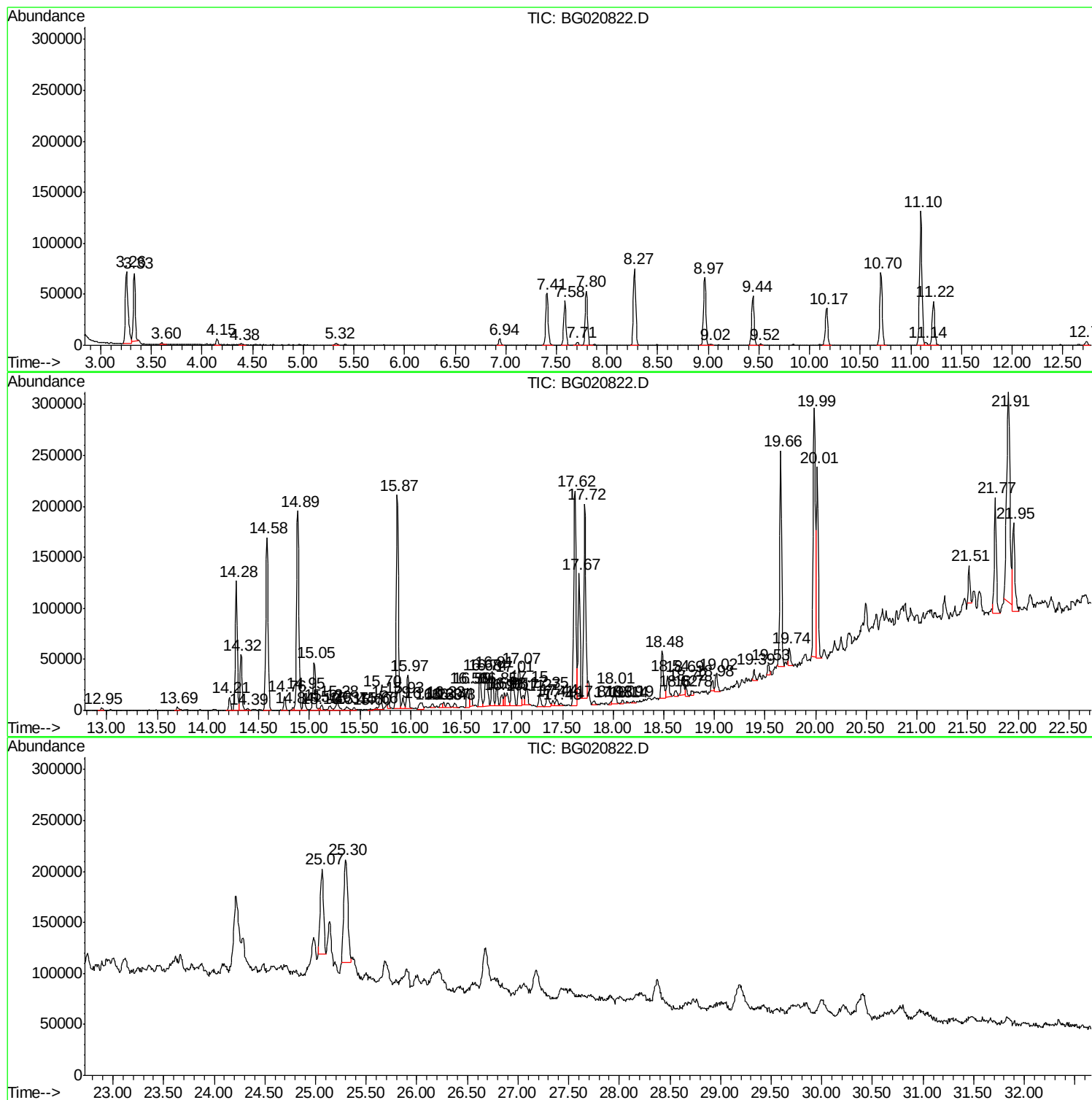
Sum of corrected areas: 6664259

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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



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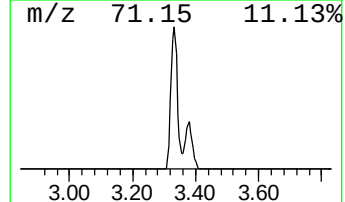
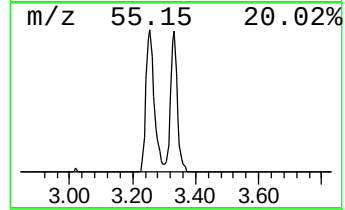
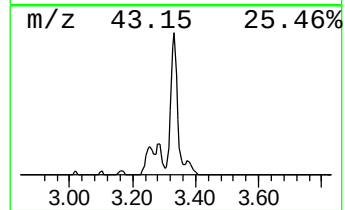
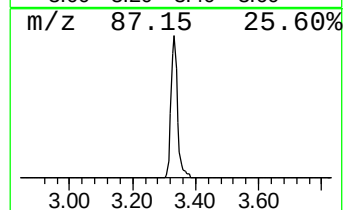
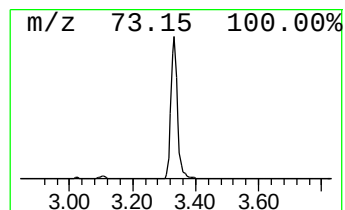
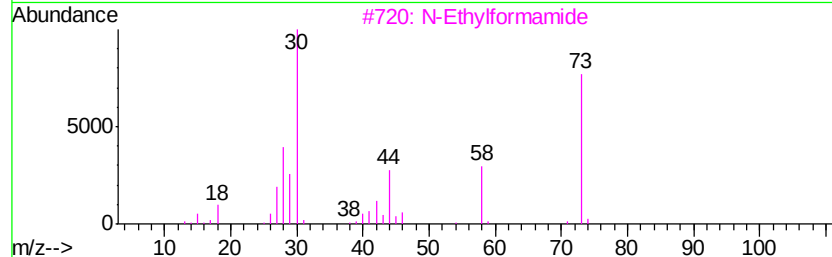
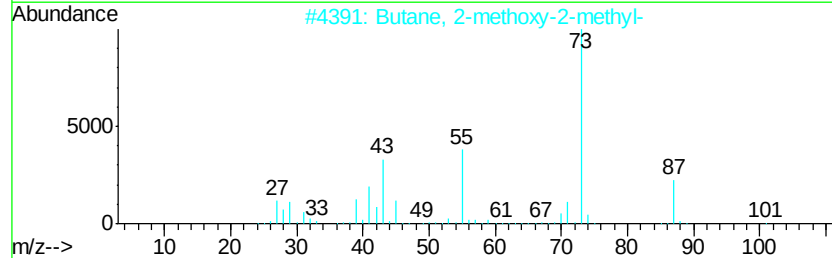
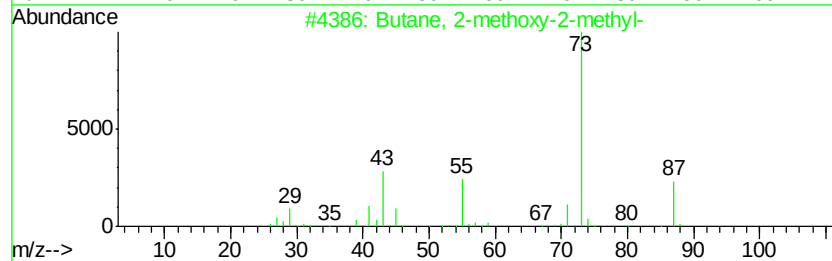
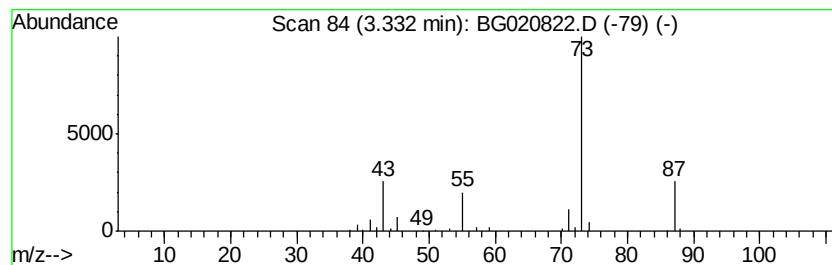
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.33	14.23 ng/ul	89282	1,4-Dichlorobenzene-d4	8.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		Acetaldehyde, O-ethylxime-	87	C4H9NO	1000288-34-6	9
5		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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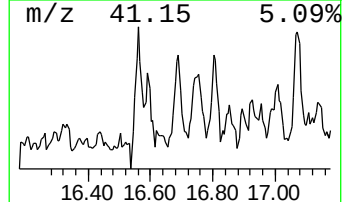
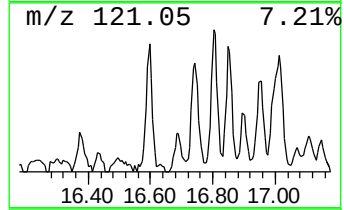
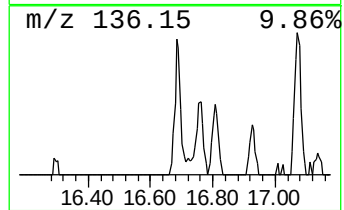
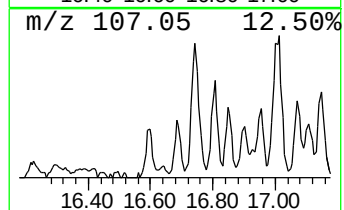
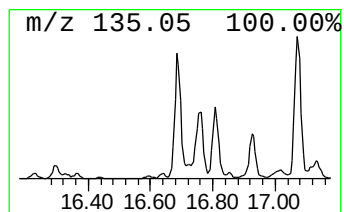
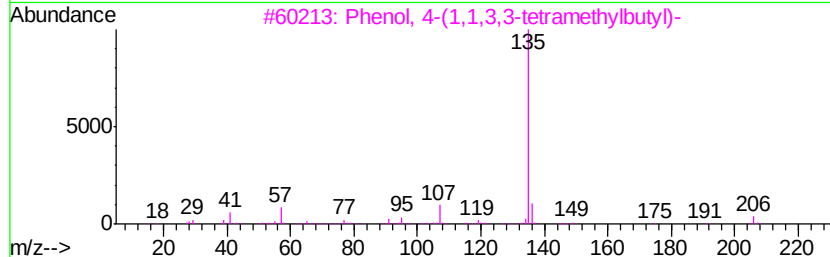
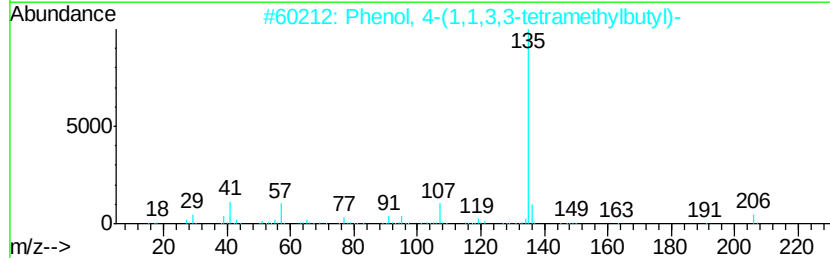
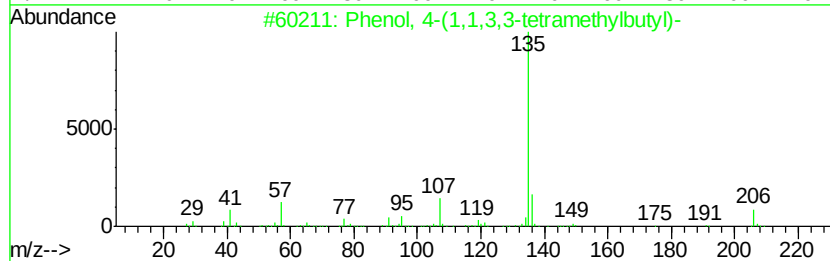
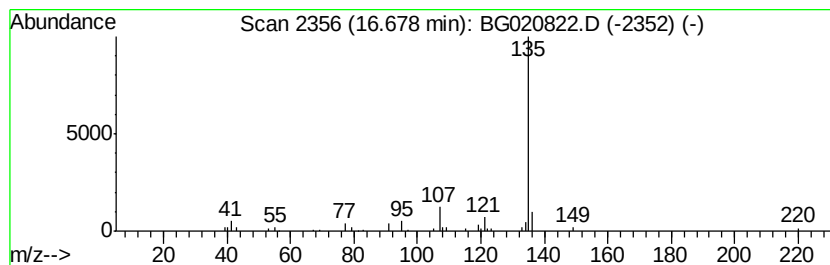
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	2.74 ng/ul	44010	Phenanthrene-d10	17.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	83
2		Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3		Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
4		Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	72
5		Benzoic acid, 4-methoxy-, diethy...	220	C12H17B03	146681-61-0	72



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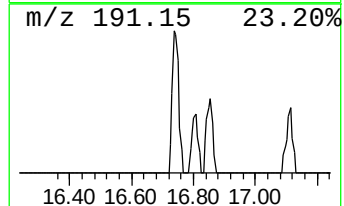
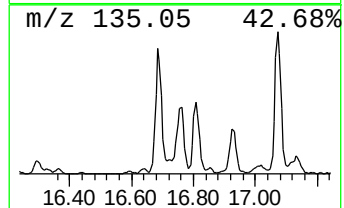
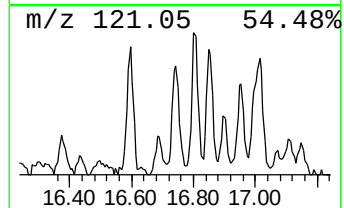
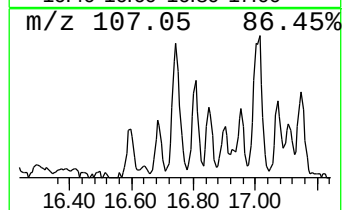
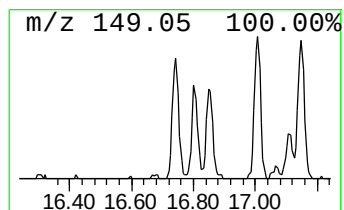
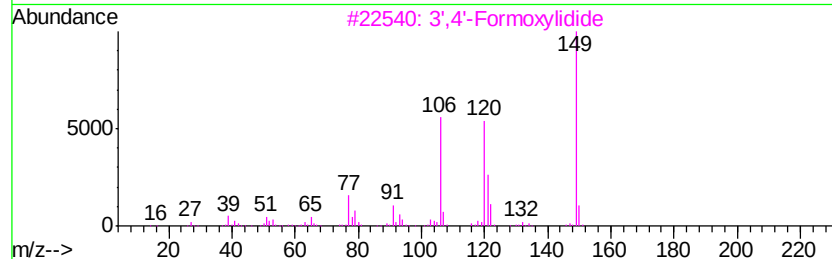
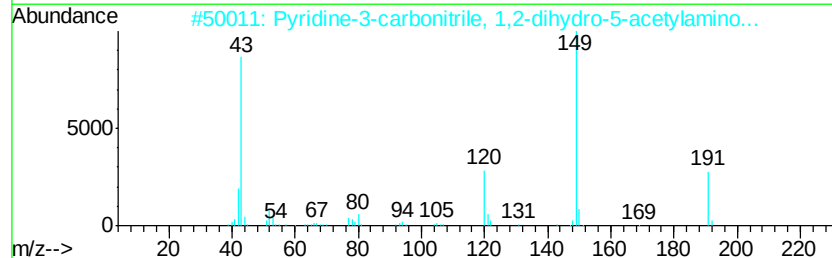
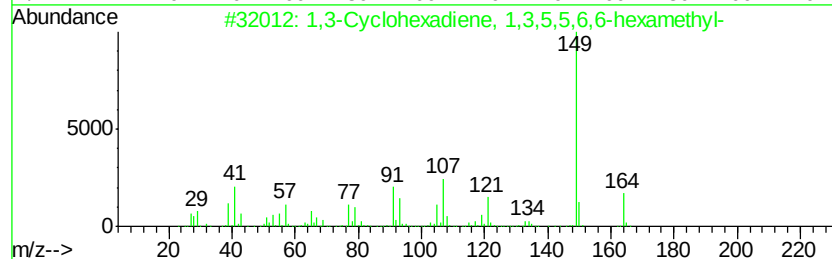
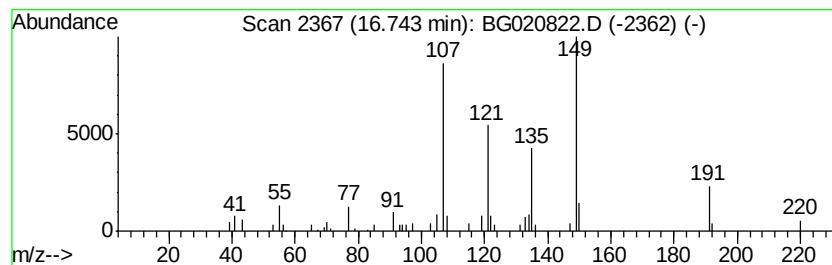
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TIC Integration Parameters: LSCINT.P

Peak Number 4 1,3-Cyclohexadiene, 1,3,5,5... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	3.95 ng/ul	63487	Phenanthrene-d10	17.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	50
2		Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	35
3		3',4'-Formoxylidide	149	C9H11NO	006639-60-7	30
4		Benzene, 1-ethoxy-4-ethyl-	150	C10H14O	001585-06-4	30
5		4-Methyl-2-tert-octylphenol	220	C15H24O	004979-46-8	27



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C04N3

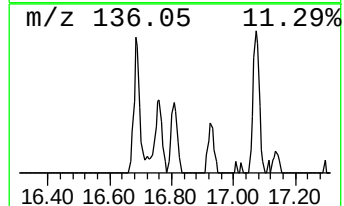
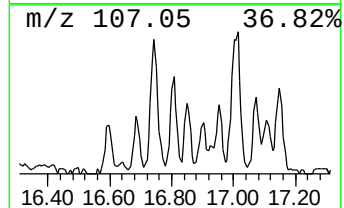
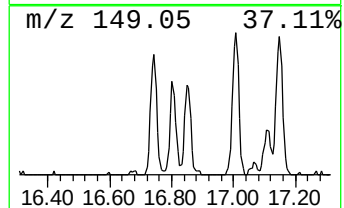
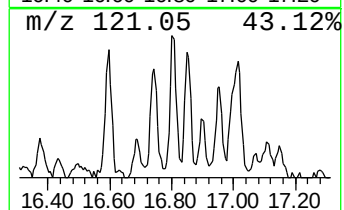
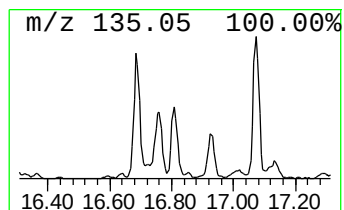
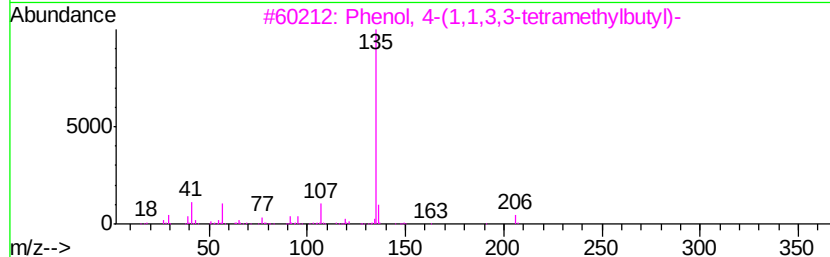
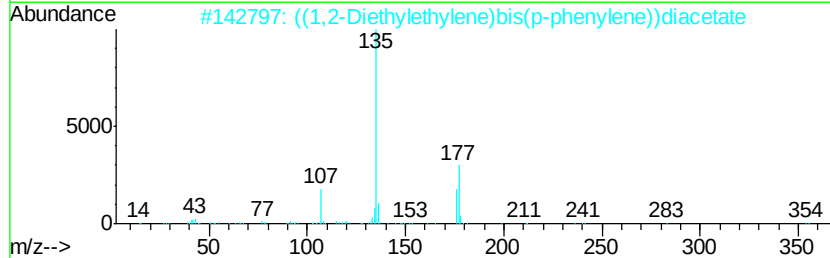
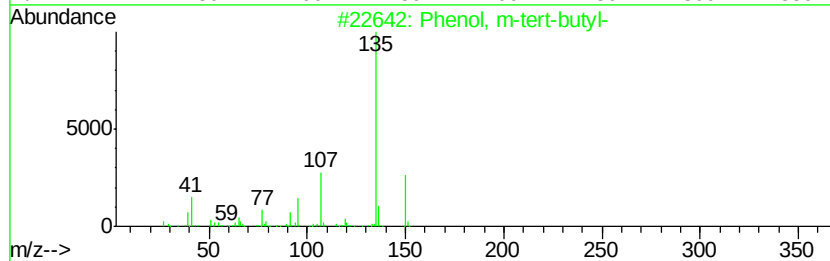
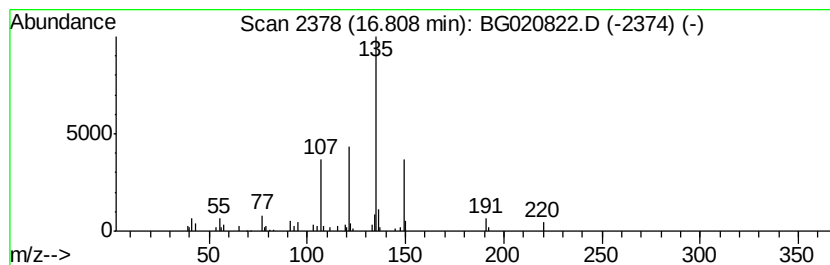
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Phenol, m-tert-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.91 ng/ul	46874	Phenanthrene-d10	17.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	53
2		((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	53
3		Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	50
4		Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	50
5		1-Isobutyladamantane	192	C14H24	027364-16-5	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C04N3

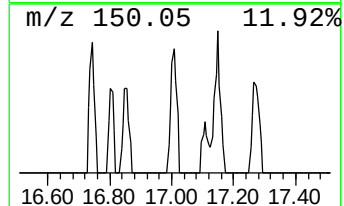
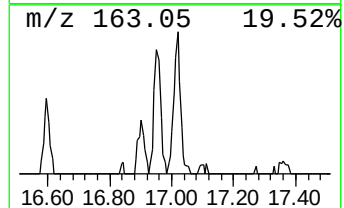
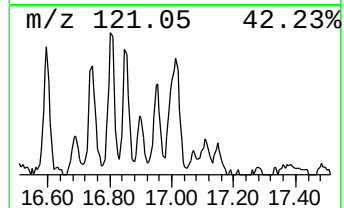
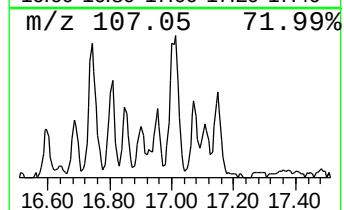
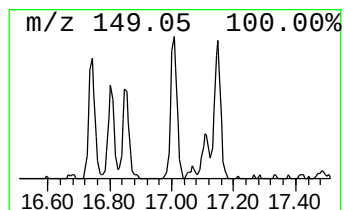
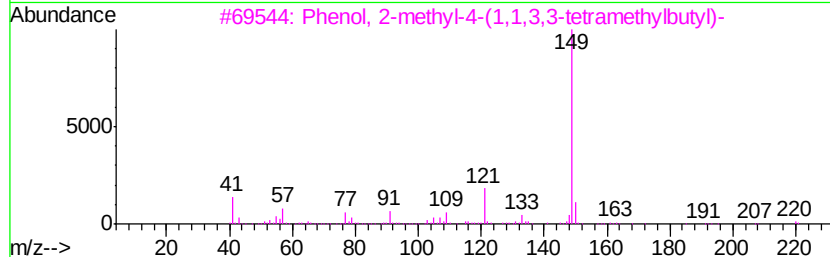
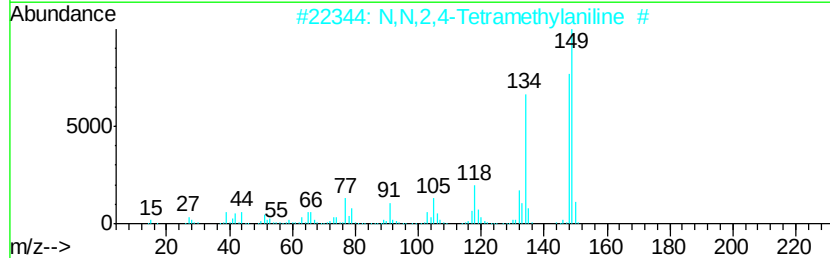
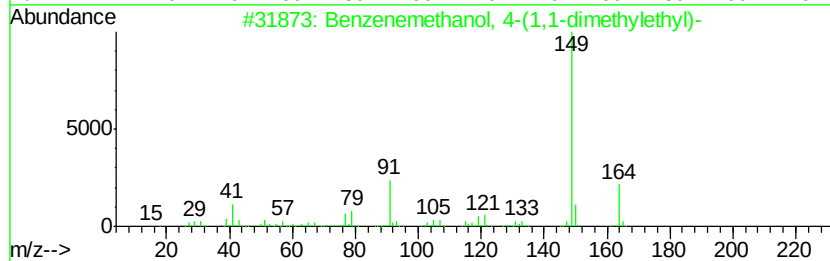
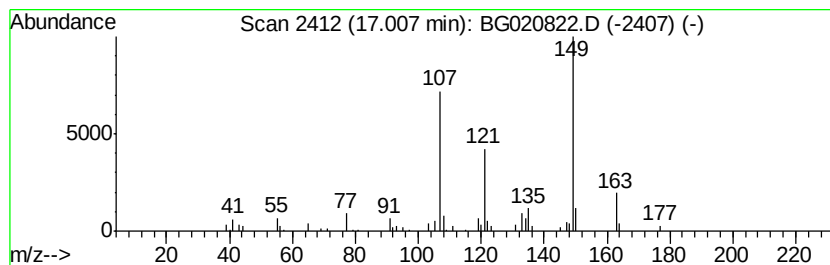
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	3.41 ng/ul	54790	Phenanthrene-d10	17.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	40
2		N,N,2,4-Tetramethylaniline #	149	C10H15N	000769-53-9	38
3		Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	38
4		2H-Indol-2-one, 1,3-dihydro-5-hy...	149	C8H7NO2	003416-18-0	38
5		Pyridine, pentamethyl-	149	C10H15N	003748-83-2	37



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
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Instrument :
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ClientSampleId :
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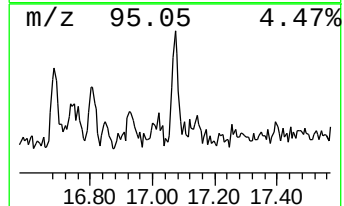
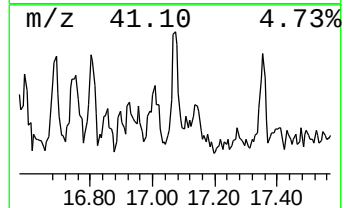
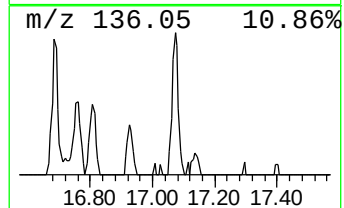
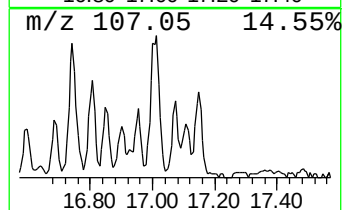
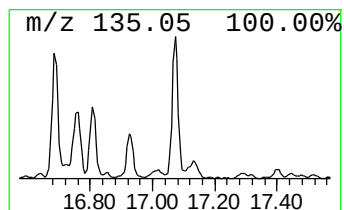
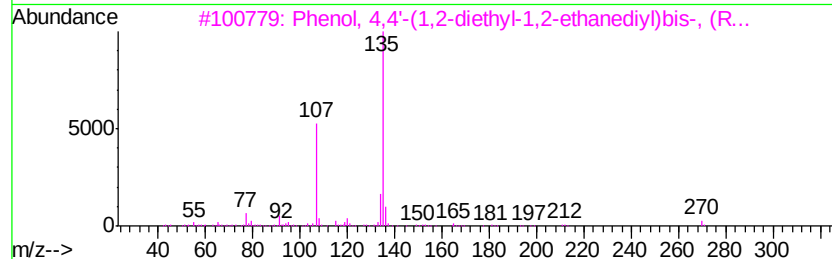
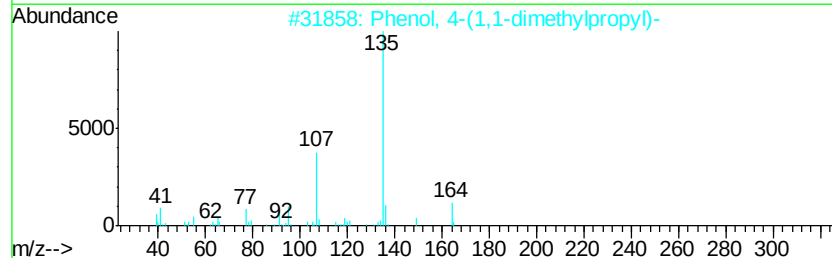
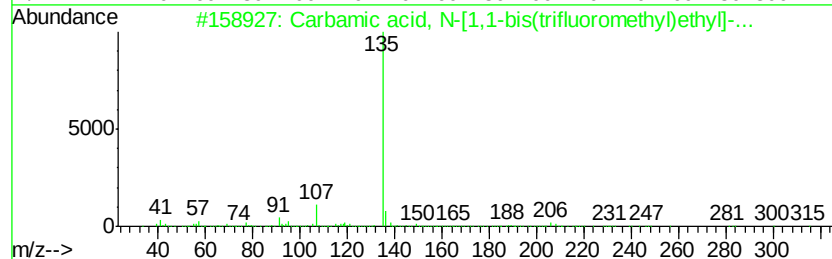
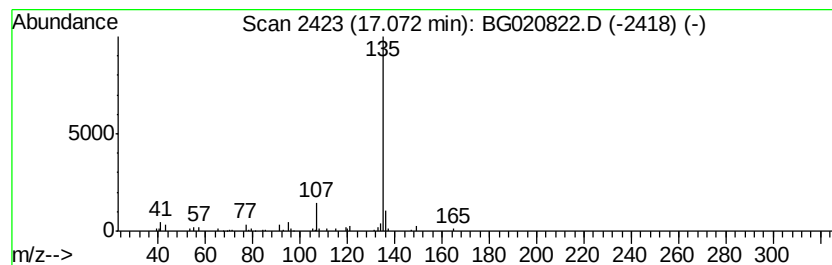
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Carbamic acid, N-[1,1-bis(t... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	3.18 ng/ul	51098	Phenanthrene-d10	17.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6N02	296242-69-8	72
2		Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64
3		Phenol, 4,4'-(1,2-diethyl-1,2-et...	270	C18H22O2	000084-16-2	64
4		5-(4-Trifluormethylsulfonylpheny...	372	C17H19F3N2O2S	187338-96-1	56
5		Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	56



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

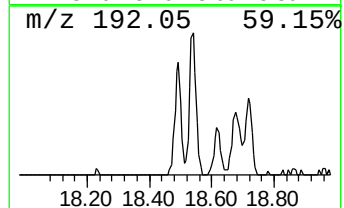
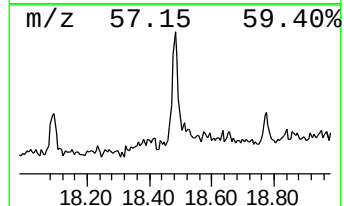
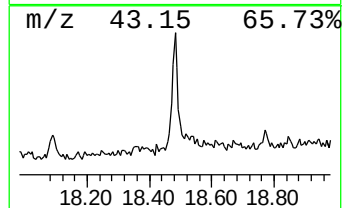
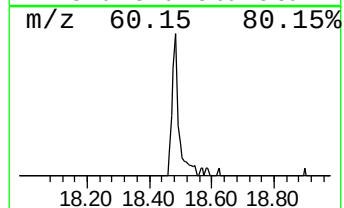
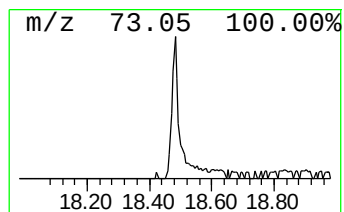
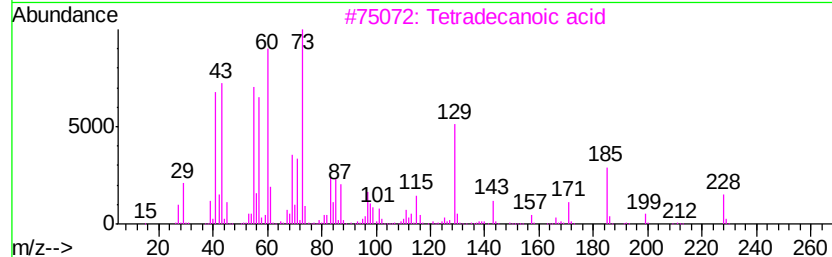
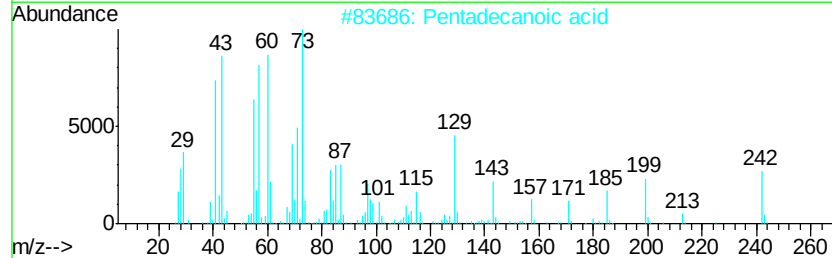
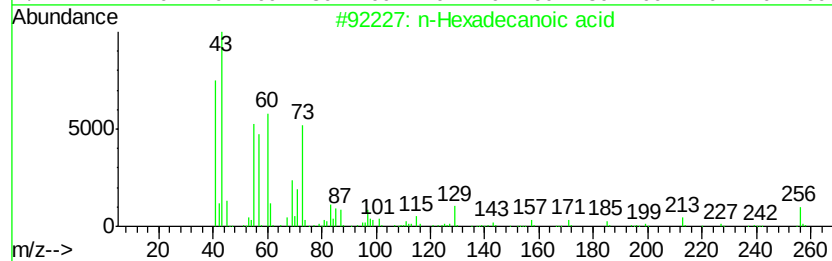
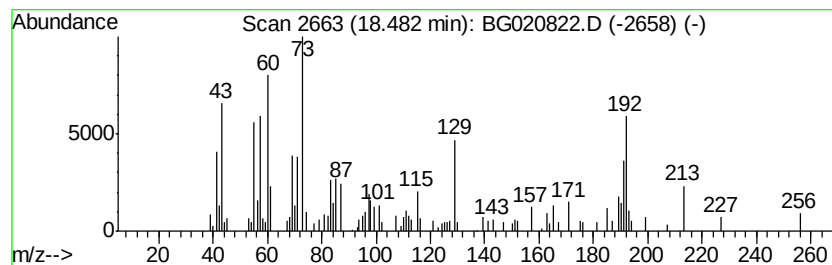
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.48	4.64 ng/ul	74543	Phenanthrene-d10		17.62	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	86
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	68
3	Tetradecanoic acid		228	C14H28O2	000544-63-8	64
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	59
5	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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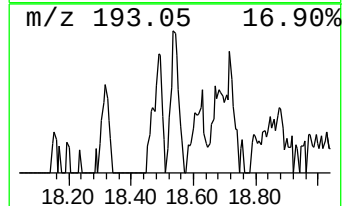
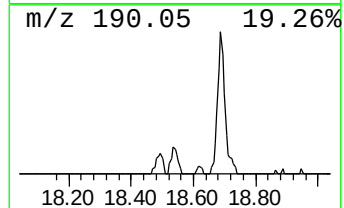
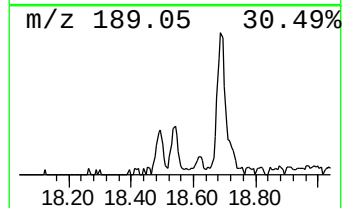
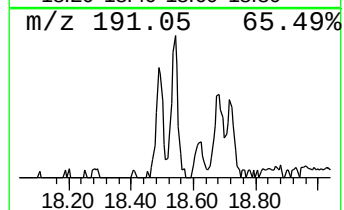
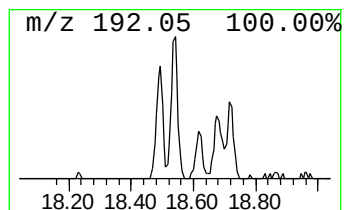
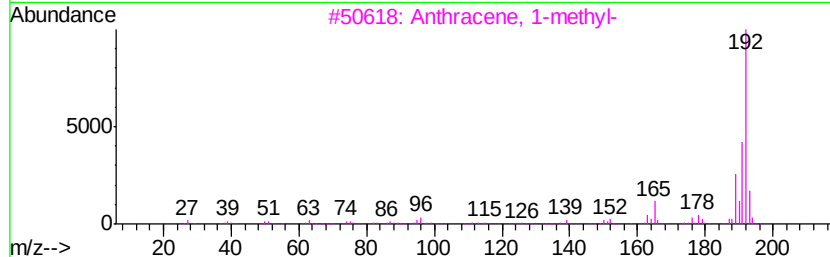
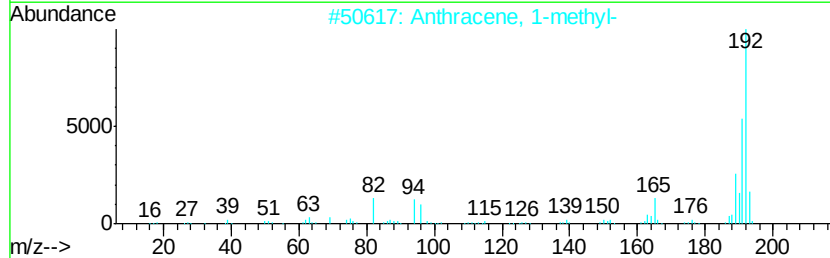
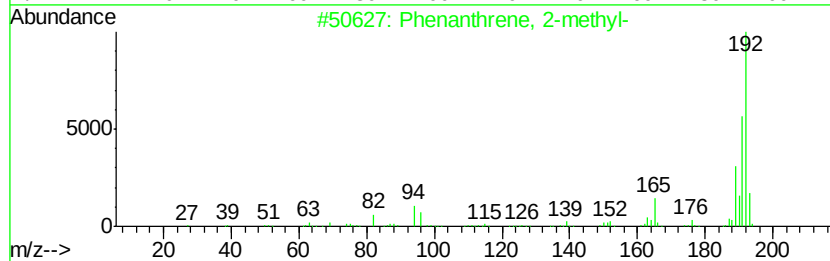
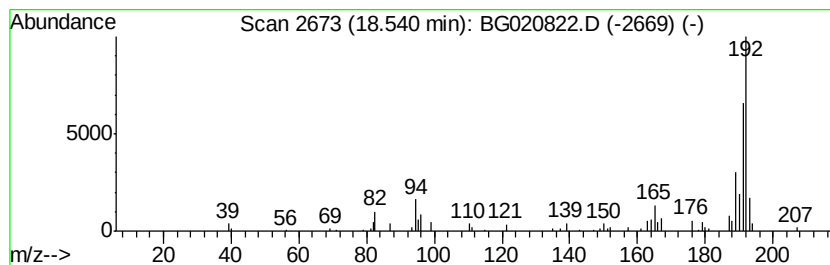
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.23 ng/ul	35815	Phenanthrene-d10	17.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
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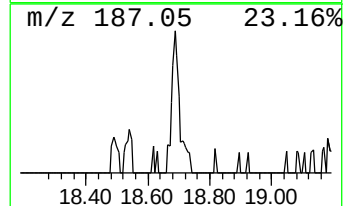
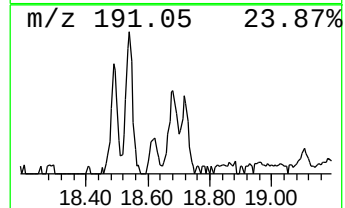
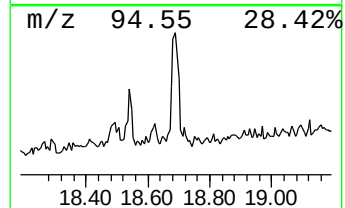
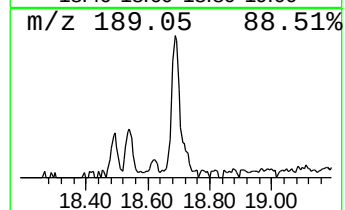
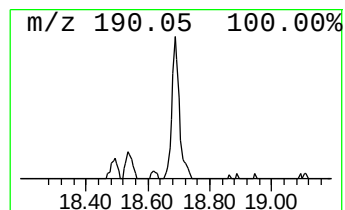
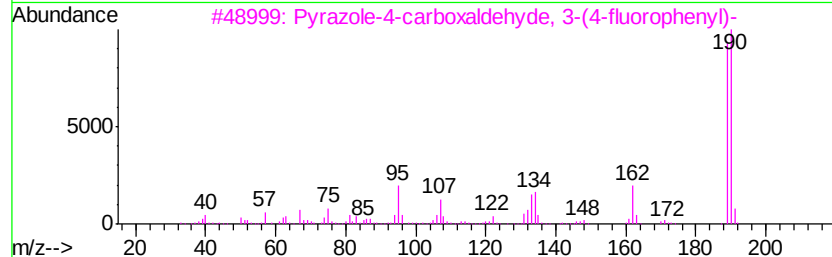
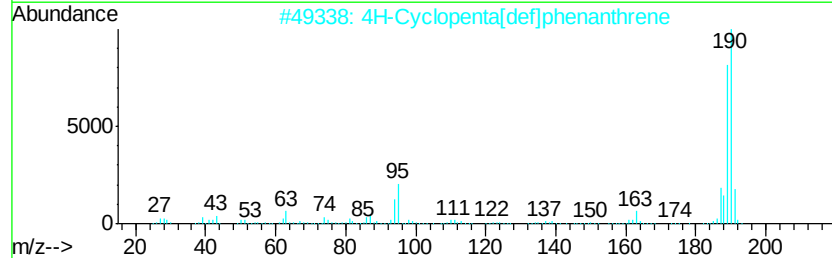
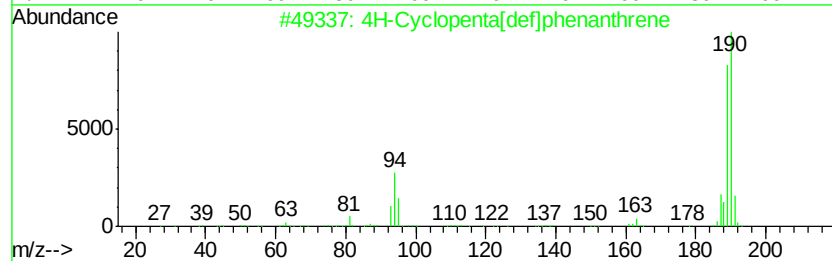
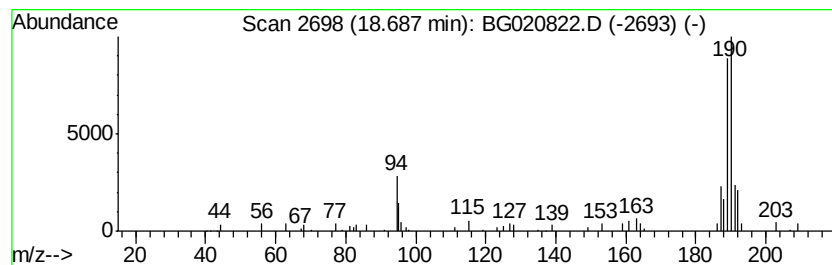
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.69	2.15 ng/ul	34507	Phenanthrene-d10	17.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020916\
Data File : BG020822.D
Acq On : 9 Feb 2016 18:06
Operator : SJ/UM
Sample : H1371-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.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...	3.33	14.2	ng/ul	89282	1	8.27	125482	20.0
Phenol, 4-(1,1,3,...	16.68	2.7	ng/ul	44010	4	17.62	321637	20.0
1,3-Cyclohexadien...	16.74	4.0	ng/ul	63487	4	17.62	321637	20.0
Phenol, m-tert-bu...	16.81	2.9	ng/ul	46874	4	17.62	321637	20.0
unknown-01	17.01	3.4	ng/ul	54790	4	17.62	321637	20.0
Carbamic acid, N-...	17.07	3.2	ng/ul	51098	4	17.62	321637	20.0
n-Hexadecanoic acid	18.48	4.6	ng/ul	74543	4	17.62	321637	20.0
Phenanthrene, 2-m...	18.54	2.2	ng/ul	35815	4	17.62	321637	20.0
4H-Cyclopenta[def...	18.69	2.1	ng/ul	34507	4	17.62	321637	20.0