LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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	4.845	380	384	395	rBV	81080	131890	4.49%	0.430%
2	6.875	723	729	731	rBV	52780	89759	3.05%	0.293%
3	7.016	748	753	768	rBV	270031	458183	15.59%	1.493%
4	7.216	780	787	798	rBV	292028	518980	17.65%	1.691%
5	7.675	858	865	875	rBV	424261	721329	24.54%	2.351%
6	8.392	979	987	1001	rBV	192892	389001	13.23%	1.268%
7	8.833	1056	1062	1076	rBV	353565	663841	22.58%	2.163%
8	9.016	1088	1093	1100	rVB3	21994	41582	1.41%	0.136%
9	9.551	1178	1184	1197	rBV	292037	539899	18.37%	1.759%
10	10.098	1270	1277	1293	rBV	293976	750395	25.53%	2.445%
11	10.445	1329	1336	1345	rBV	591622	1009556	34.34%	3.290%
12	11.569	1520	1527	1532	rBV5	17244	37182	1.26%	0.121%
13	12.021	1598	1604	1609	rBV2	23019	42204	1.44%	0.138%
14	13.627	1870	1877	1886	rVB3	25045	48240	1.64%	0.157%
15	13.727	1887	1894	1900	rBV	869561	1323529	45.02%	4.313%
16	13.780	1900	1903	1910	rVB	70353	105644	3.59%	0.344%
17	14.004	1933	1941	1955	rBV	1003039	1521141	51.75%	4.957%
18	14.310	1987	1993	2000	rVV	915337	1360842	46.29%	4.435%
19	14.615	2039	2045	2052	rBV4	32740	80300	2.73%	0.262%
20	15.157	2132	2137	2140	rBV4	20883	29438	1.00%	0.096%
21	15.233	2145	2150	2156	rVV7	23181	53648	1.83%	0.175%
22	15.310	2156	2163	2168	rVV	1365915	1967317	66.92%	6.411%
23	15.368	2168	2173	2180	rVB	455603	658146	22.39%	2.145%
24	15.468	2185	2190	2198	rBV	349506	572255	19.47%	1.865%
25	15.774	2238	2242	2245	rBV4	17671	31546	1.07%	0.103%
26	15.815	2245	2249	2252	rVV2	41854	70868	2.41%	0.231%
27	15.851	2252	2255	2260	rVV2	70835	125794	4.28%	0.410%
28	16.021	2280	2284	2290	rBV2	32147	48370	1.65%	0.158%
29	16.151	2299	2306	2310	rBV8	25211	46403	1.58%	0.151%
30	16.315	2328	2334	2338	rBV3	45951	73333	2.49%	0.239%
31	16.374	2338	2344	2349	rVB7	19842	41815	1.42%	0.136%
32	16.815	2414	2419	2422	rBV3	44422	65611	2.23%	0.214%
33	16.856	2422	2426	2437	rVB6	32960	67899	2.31%	0.221%
34	16.974	2437	2446	2447	rBV3	78563	127970	4.35%	0.417%

LSC Area Percent Report

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Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

35	16.998	2447	2450	2454	rVV	86266	128905	4.39%	0.420%
36	17.062	2454	2461	2470	rVB2	1132085	1718399	58.46%	5.600%
37	17.162	2471	2478	2490	rVV2	1450927	2251505	76.59%	7.337%
38	17.304	2498	2502	2518	rVB3	49467	134161	4.56%	0.437%
39	17.439	2518	2525	2534	rBV2	272484	493449	16.79%	1.608%
40	17.545	2534	2543	2548	rBV5	72137	195181	6.64%	0.636%
41	17.598	2548	2552	2556	rBV2	27527	42026	1.43%	0.137%
42	17.751	2571	2578	2582	rBV3	31173	61066	2.08%	0.199%
43	17.833	2588	2592	2597	rVV3	39023	67261	2.29%	0.219%
44	17.915	2602	2606	2610	rBV	122564	180164	6.13%	0.587%
45	17.956	2610	2613	2618	rVB3	77194	104180	3.54%	0.340%
46	18.080	2629	2634	2642	rVB	102277	167545	5.70%	0.546%
47	18.250	2653	2663	2674	rBV5	85473	258682	8.80%	0.843%
48	18.339	2674	2678	2682	rVV2	19890	37404	1.27%	0.122%
49	18.380	2682	2685	2690	rVB7	24740	38833	1.32%	0.127%
50	18.515	2704	2708	2714	rBV8	17128	35031	1.19%	0.114%
51	18.892	2766	2772	2780	rBV4	47320	113848	3.87%	0.371%
52	19.092	2802	2806	2816	rBV2	90523	173638	5.91%	0.566%
53	19.239	2824	2831	2839	rBV7	53180	152101	5.17%	0.496%
54	19.468	2862	2870	2876	rBV	1897355	2782978	94.67%	9.070%
55	19.827	2927	2931	2936	rBV3	41159	66415	2.26%	0.216%
56	20.621	3063	3066	3074	rBV3	45928	82997	2.82%	0.270%
57	20.962	3120	3124	3130	rBV5	74332	113329	3.86%	0.369%
58	21.262	3170	3175	3183	rBV	1725719	2293279	78.01%	7.474%
59	23.350	3523	3530	3539	rBV2	1516688	2939597	100.00%	9.580%
60	23.491	3548	3554	3565	rVB	1141127	2239072	76.17%	7.297%

Sum of corrected areas: 30684956

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
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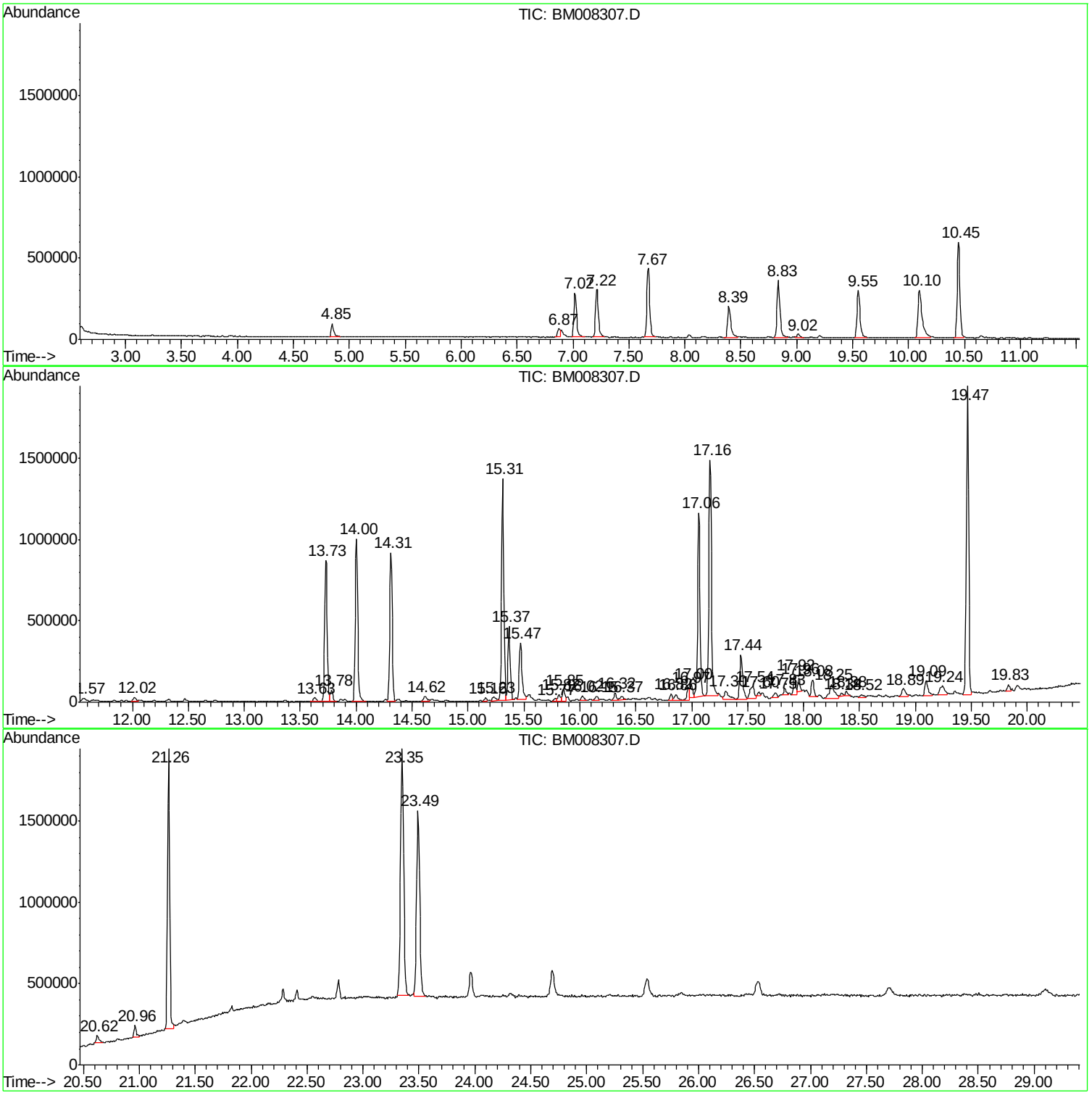
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
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Quant Title : SVOA CALIBRATION

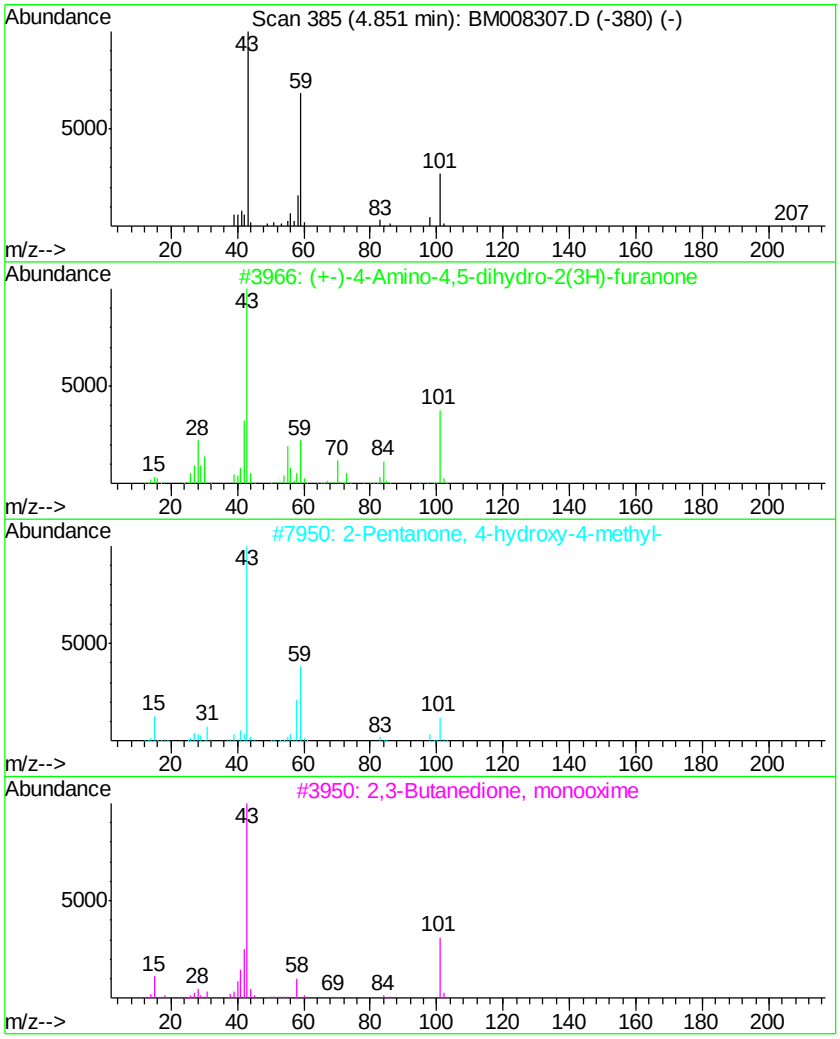
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

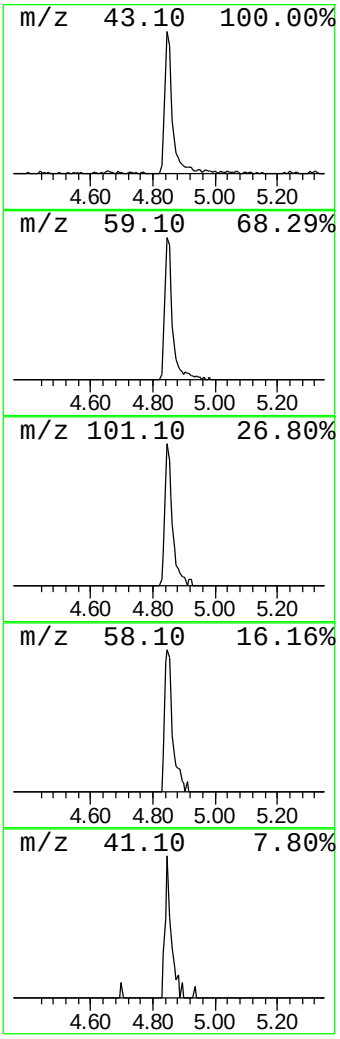
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	3.66 ng/ul	131890	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
4	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	32
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

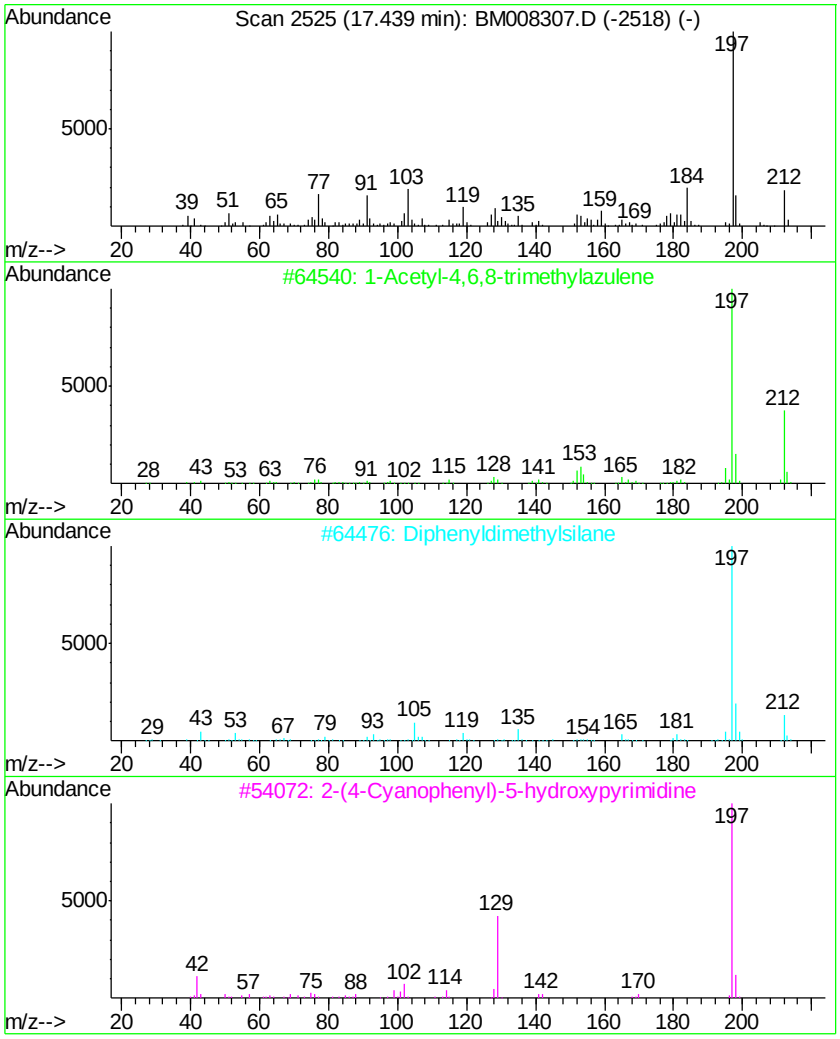
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

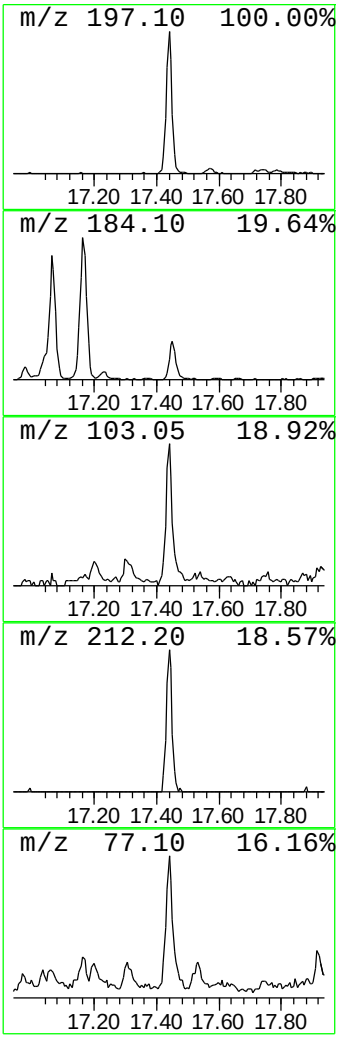
****

Peak Number 2 1-Acetyl-4,6,8-trimethylazu... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	5.74 ng/ul	493449	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-4,6,8-trimethylazulene	212	C15H16O	000834-97-9	50
2	Diphenyldimethylsilane	212	C14H16Si	000778-24-5	50
3	2-(4-Cyanophenyl)-5-hydroxypyrim...	197	C11H7N3O	150405-59-7	49
4	Benzene, 1,1',1''-[1-(bromomethy...	394	C23H23BrO	055373-93-8	47
5	2,4-Dimethylpyrimido[1,2-a]benzi...	197	C12H11N3	025513-98-8	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

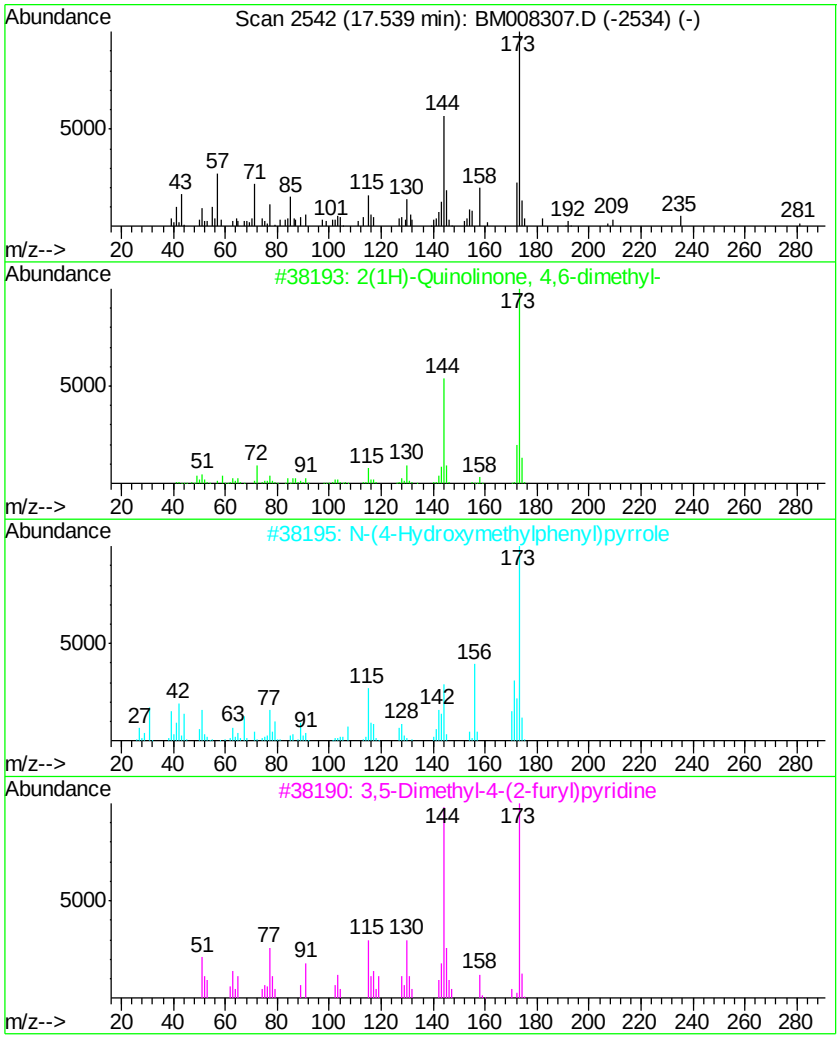
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

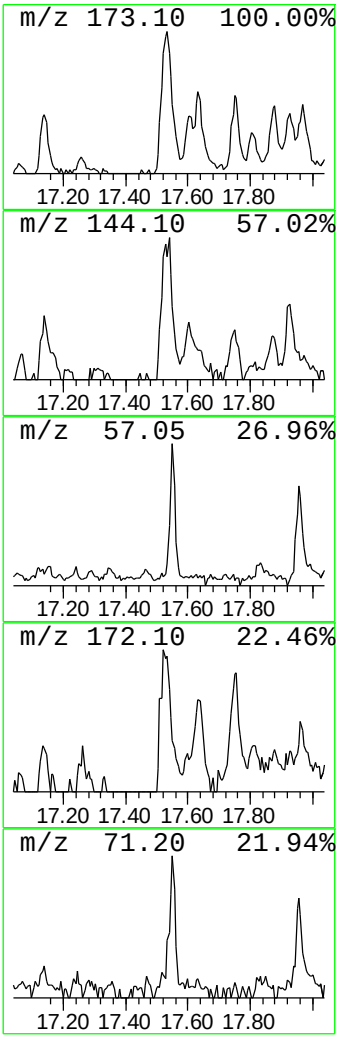
****

Peak Number 3 2(1H)-Quinolinone, 4,6-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	2.27 ng/ul	195181	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 4,6-dimethyl-	173	C11H11NO	023947-37-7	70
2	N-(4-Hydroxymethylphenyl)pyrrole	173	C11H11NO	143426-51-1	55
3	3,5-Dimethyl-4-(2-furyl)pyridine	173	C11H11NO	078563-72-1	53
4	2,3-Dimethylquinolin-4(1H)-one	173	C11H11NO	058596-45-5	52
5	2(1H)-Quinolinone, 3,4-dimethyl-	173	C11H11NO	017336-90-2	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

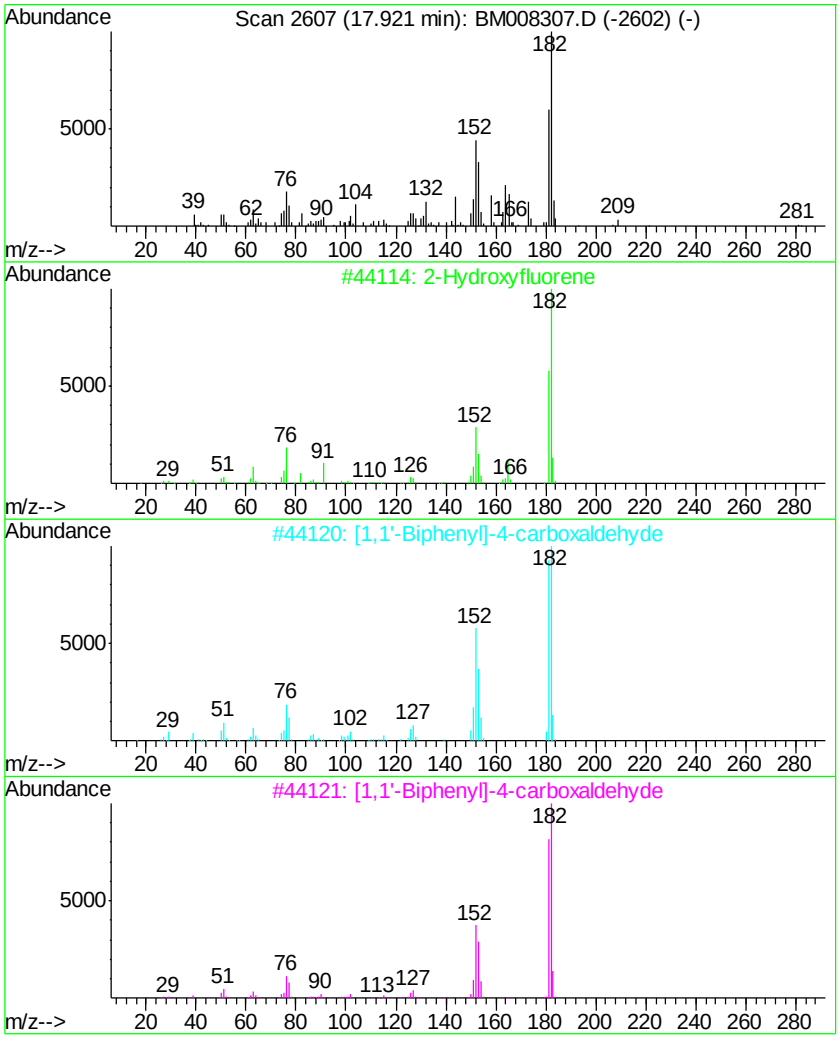
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

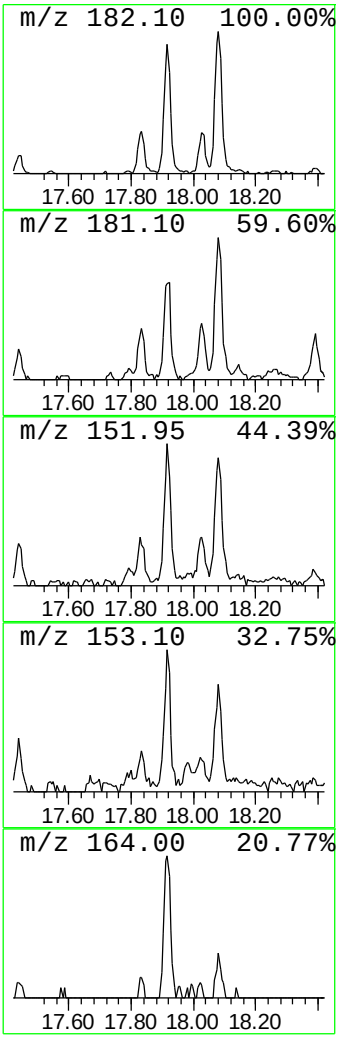
****

Peak Number 4 2-Hydroxyfluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.10 ng/ul	180164	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	52
4	8-Methylaminonaphthalene-1-carbo...	182	C12H10N2	1000187-15-2	47
5	9-Borabicyclo[3.3.1]nonane, 9-et...	182	C10H19BS	1000155-58-6	46





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Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

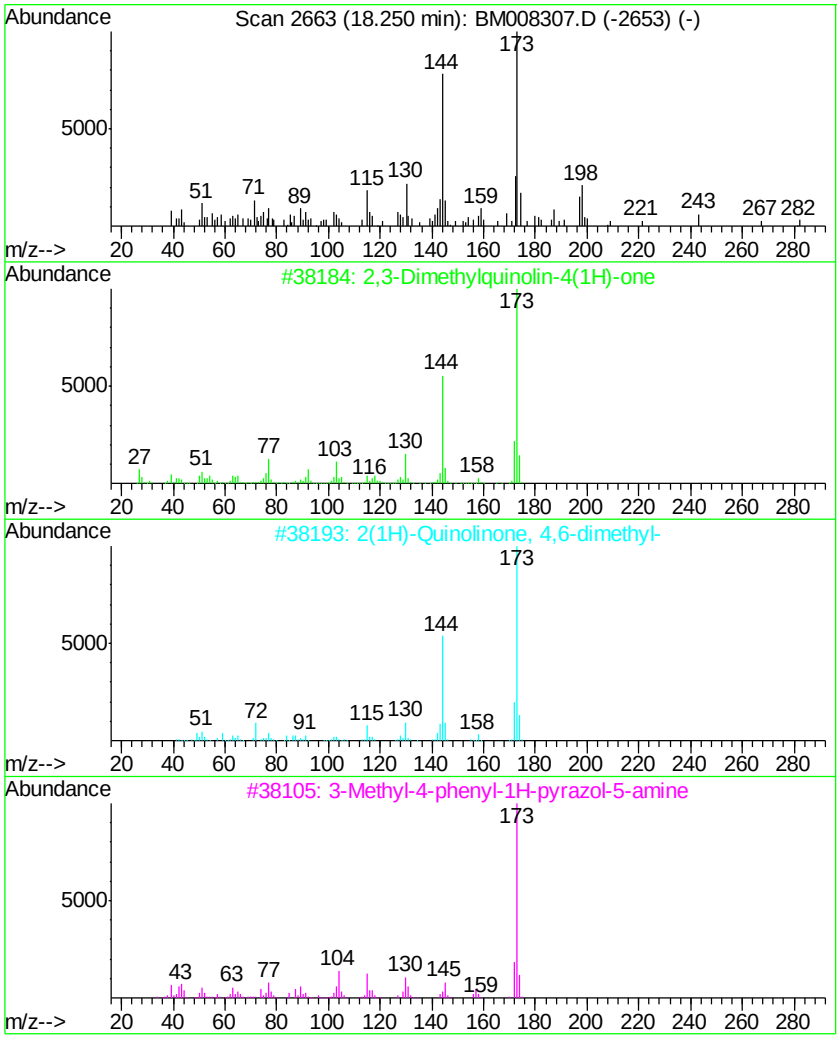
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

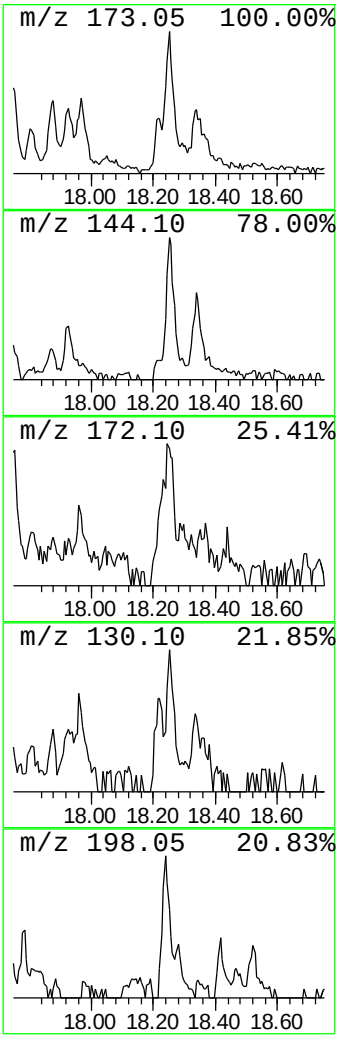
****

Peak Number 5 2,3-Dimethylquinolin-4(1H)-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.01 ng/ul	258682	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethylquinolin-4(1H)-one	173	C11H11NO	058596-45-5	87
2	2(1H)-Quinolinone, 4,6-dimethyl-	173	C11H11NO	023947-37-7	74
3	3-Methyl-4-phenyl-1H-pyrazol-5-a...	173	C10H11N3	060419-81-0	55
4	1-Naphthol, 4-amino-2-methyl-	173	C11H11NO	000083-70-5	43
5	1,8-Naphthyridin-2-amine, 5,7-di...	173	C10H11N3	039565-07-6	43





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Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

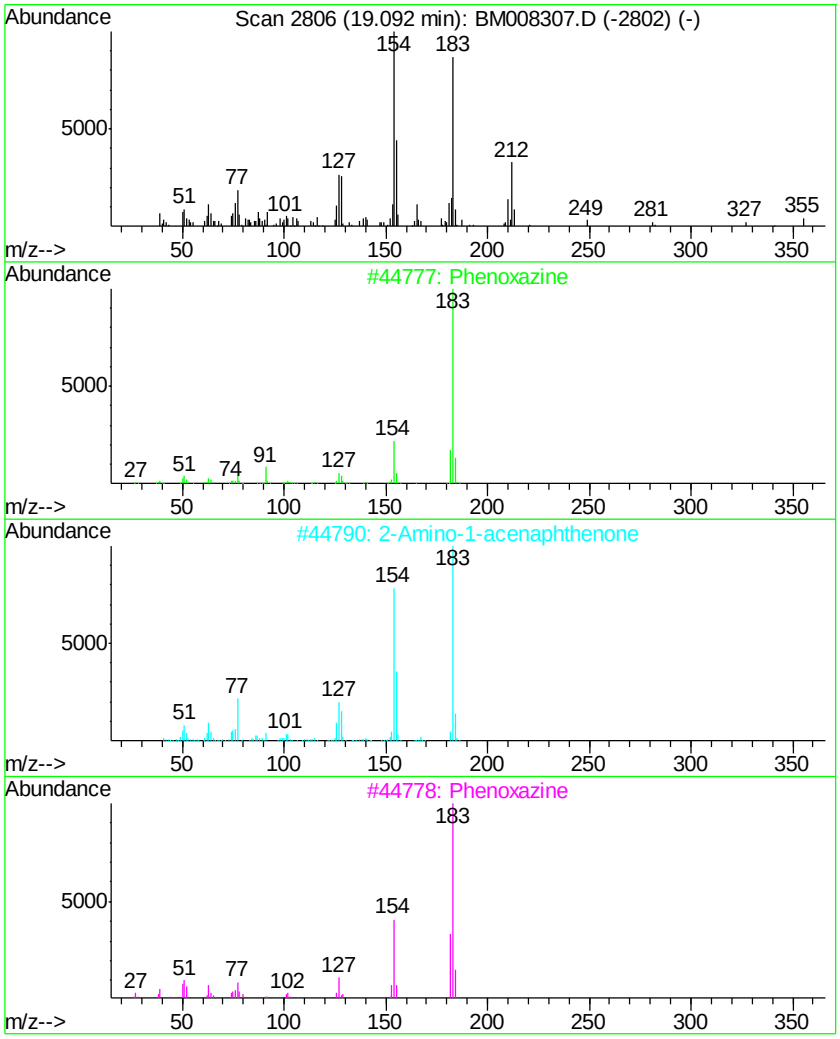
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

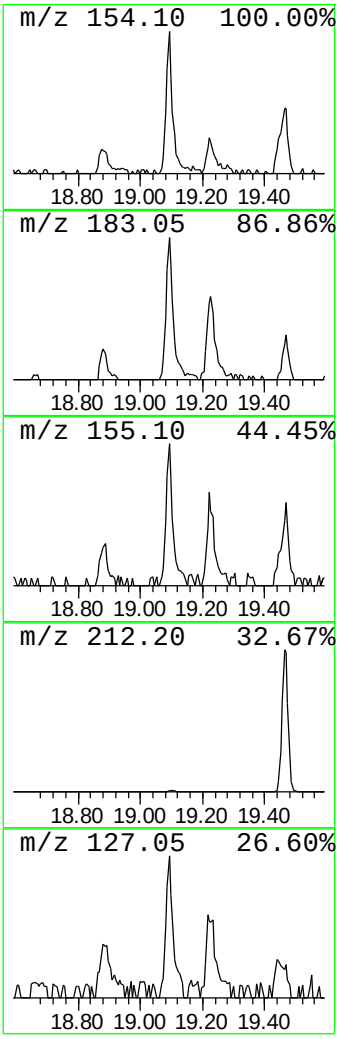
****

Peak Number 6 Phenoxazine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.02 ng/ul	173638	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenoxazine	183	C12H9NO	000135-67-1	93
2	2-Amino-1-acenaphthenone	183	C12H9NO	046252-56-6	81
3	Phenoxazine	183	C12H9NO	000135-67-1	52
4	2-Dibenzofuranamine	183	C12H9NO	003693-22-9	38
5	3-Dibenzofuranamine	183	C12H9NO	004106-66-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008307.D
Acq On : 14 Dec 2016 13:31
Operator : UM/SJ
Sample : H5976-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.85	3.7	ng/ul	131890	1	7.67	721329	20.0
1-Acetyl-4,6,8-tr...	17.44	5.7	ng/ul	493449	4	17.06	1718400	20.0
2(1H)-Quinolinone...	17.54	2.3	ng/ul	195181	4	17.06	1718400	20.0
2-Hydroxyfluorene	17.92	2.1	ng/ul	180164	4	17.06	1718400	20.0
2,3-Dimethylquino...	18.25	3.0	ng/ul	258682	4	17.06	1718400	20.0
Phenoxazine	19.09	2.0	ng/ul	173638	4	17.06	1718400	20.0