LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Title : SVOA CALIBRATION

Signal : TIC: BM030843.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.263	26	30	35	rBV	14236	19278	0.86%	0.065%
2	3.693	101	103	112	rVV	46078	101754	4.56%	0.344%
3	3.769	112	116	124	rVV	68495	101647	4.55%	0.344%
4	3.987	149	153	161	rVB2	11557	18805	0.84%	0.064%
5	6.934	648	654	667	rBV	238812	405197	18.14%	1.372%
6	7.098	674	682	696	rBV	193779	327884	14.68%	1.110%
7	7.298	709	716	726	rBV	255231	425063	19.03%	1.439%
8	7.763	787	795	804	rBV	465105	739829	33.13%	2.504%
9	7.987	827	833	841	rBV2	10153	17694	0.79%	0.060%
10	8.298	881	886	890	rBV2	8766	15095	0.68%	0.051%
11	8.463	903	914	930	rBV	259569	446201	19.98%	1.510%
12	8.922	985	992	1001	rBV	236926	402257	18.01%	1.362%
13	9.639	1107	1114	1129	rBV	175535	308811	13.83%	1.045%
14	10.175	1198	1205	1216	rBV	255489	482414	21.60%	1.633%
15	10.363	1230	1237	1249	rBV3	19411	53578	2.40%	0.181%
16	10.545	1261	1268	1274	rBV	623277	1049656	47.00%	3.553%
17	10.598	1274	1277	1283	rVB	37157	55376	2.48%	0.187%
18	10.692	1283	1293	1308	rBV	196111	409629	18.34%	1.387%
19	13.222	1716	1723	1729	rVV4	6691	14092	0.63%	0.048%
20	13.563	1774	1781	1790	rVB4	7434	17053	0.76%	0.058%
21	13.716	1800	1807	1813	rBV	15404	25597	1.15%	0.087%
22	13.804	1816	1822	1829	rVV	540143	767254	34.36%	2.597%
23	14.086	1863	1870	1886	rVB	598056	977289	43.76%	3.308%
24	14.392	1913	1922	1928	rBV	970488	1399613	62.67%	4.738%
25	14.457	1928	1933	1943	rVB	54646	87175	3.90%	0.295%
26	14.604	1952	1958	1976	rBV	68125	188846	8.46%	0.639%
27	14.792	1984	1990	1994	rBV	35738	48351	2.17%	0.164%
28	14.869	1999	2003	2008	rVB	17207	23692	1.06%	0.080%
29	15.010	2020	2027	2032	rBV4	13353	23925	1.07%	0.081%
30	15.063	2032	2036	2041	rVB	11993	16480	0.74%	0.056%
31	15.180	2049	2056	2059	rBV4	13101	21986	0.98%	0.074%
32	15.210	2059	2061	2065	rVV2	9549	13387	0.60%	0.045%
33	15.386	2083	2091	2096	rVV	799683	1167860	52.30%	3.953%
34	15.439	2096	2100	2108	rVV2	81642	135124	6.05%	0.457%
35	15.516	2108	2113	2125	rVV	130237	236946	10.61%	0.802%
36	15.604	2125	2128	2129	rVV3	12263	15198	0.68%	0.051%

LSC Area Percent Report

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Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Title : SVOA CALIBRATION

37	15.651	2133	2136	2140	rVV3	15306	22887	1.02%	0.077%
38	15.733	2145	2150	2157	rVV	42782	65355	2.93%	0.221%
39	15.880	2166	2175	2184	rBV2	42108	94369	4.23%	0.319%
40	15.968	2184	2190	2195	rVB2	8223	14333	0.64%	0.049%
41	16.115	2210	2215	2220	rBV4	13228	23910	1.07%	0.081%
42	16.445	2262	2271	2276	rBV2	37758	76809	3.44%	0.260%
43	16.486	2276	2278	2283	rVV4	10581	12839	0.57%	0.043%
44	16.586	2291	2295	2300	rVB	19218	27397	1.23%	0.093%
45	16.668	2302	2309	2313	rBV3	36817	63244	2.83%	0.214%
46	16.710	2313	2316	2319	rVV2	27489	37124	1.66%	0.126%
47	16.798	2325	2331	2337	rVB3	15718	28745	1.29%	0.097%
48	16.868	2337	2343	2349	rBV2	33928	72259	3.24%	0.245%
49	16.951	2353	2357	2364	rVB	43077	63424	2.84%	0.215%
50	17.133	2381	2388	2392	rBV	1082906	1625257	72.78%	5.502%
51	17.174	2392	2395	2400	rVV	829785	1085163	48.59%	3.673%
52	17.233	2400	2405	2408	rVV	797698	1201172	53.79%	4.066%
53	17.262	2408	2410	2416	rVV	206138	266187	11.92%	0.901%
54	17.327	2416	2421	2426	rVB2	20338	40944	1.83%	0.139%
55	17.574	2459	2463	2473	rVV3	17996	48382	2.17%	0.164%
56	17.651	2473	2476	2483	rVV	24470	38225	1.71%	0.129%
57	17.715	2483	2487	2496	rVV7	10654	31200	1.40%	0.106%
58	17.851	2505	2510	2515	rVV3	11487	21293	0.95%	0.072%
59	18.004	2530	2536	2541	rVV	128272	234346	10.49%	0.793%
60	18.051	2541	2544	2550	rVV	179817	254624	11.40%	0.862%
61	18.098	2550	2552	2554	rVV	10905	13807	0.62%	0.047%
62	18.133	2554	2558	2564	rVV	75510	118172	5.29%	0.400%
63	18.198	2564	2569	2573	rVV3	195279	353784	15.84%	1.198%
64	18.233	2573	2575	2585	rVV	76669	115018	5.15%	0.389%
65	18.462	2607	2614	2616	rBV4	12445	24995	1.12%	0.085%
66	18.509	2617	2622	2627	rVB	89982	130246	5.83%	0.441%
67	18.751	2659	2663	2667	rBV2	23776	29553	1.32%	0.100%
68	18.804	2668	2672	2675	rBV	26492	32486	1.45%	0.110%
69	18.839	2675	2678	2683	rVB	24941	34712	1.55%	0.118%
70	18.921	2686	2692	2697	rBV2	67103	132474	5.93%	0.448%
71	18.986	2698	2703	2706	rBV2	32578	50692	2.27%	0.172%
72	19.056	2712	2715	2718	rBV3	23745	35678	1.60%	0.121%
73	19.186	2730	2737	2744	rBV	1331042	1762742	78.94%	5.967%
74	19.251	2745	2748	2751	rVB	17714	18766	0.84%	0.064%
75	19.292	2751	2755	2759	rBV6	23186	46200	2.07%	0.156%
76	19.339	2759	2763	2767	rVB	100004	133486	5.98%	0.452%

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Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Title : SVOA CALIBRATION

77	19.427	2775	2778	2788	rVB3	35684	74020	3.31%	0.251%
78	19.521	2788	2794	2796	rBV2	1152863	1683983	75.41%	5.701%
79	19.545	2796	2798	2807	rVV	878066	1188846	53.24%	4.024%
80	19.621	2807	2811	2818	rVB3	70190	112642	5.04%	0.381%
81	19.727	2818	2829	2835	rBV	81407	154963	6.94%	0.525%
82	19.868	2848	2853	2862	rBV2	77035	215214	9.64%	0.729%
83	20.003	2872	2876	2877	rBV2	52029	64589	2.89%	0.219%
84	20.039	2879	2882	2890	rVB	231995	314368	14.08%	1.064%
85	20.139	2895	2899	2903	rBV	207233	268310	12.01%	0.908%
86	20.198	2903	2909	2914	rVB2	97685	161506	7.23%	0.547%
87	20.280	2920	2923	2928	rBV4	23458	41476	1.86%	0.140%
88	20.339	2929	2933	2936	rVV2	42310	57683	2.58%	0.195%
89	20.386	2937	2941	2945	rVV3	51062	75949	3.40%	0.257%
90	20.509	2959	2962	2968	rVB	144934	160771	7.20%	0.544%
91	20.745	2999	3002	3006	rBV3	30300	42351	1.90%	0.143%
92	20.950	3034	3037	3040	rBV	46907	59950	2.68%	0.203%
93	20.986	3040	3043	3046	rBV	76443	87903	3.94%	0.298%
94	21.297	3089	3096	3100	rBV2	1293205	2233151	100.00%	7.560%
95	21.339	3100	3103	3111	rVB	400332	540501	24.20%	1.830%
96	21.456	3119	3123	3128	rBV	74278	116473	5.22%	0.394%
97	22.868	3357	3363	3369	rBV	265214	717678	32.14%	2.429%
98	23.350	3442	3445	3448	rBV	67273	92365	4.14%	0.313%
99	23.403	3448	3454	3458	rBV	452810	852355	38.17%	2.885%
100	23.544	3472	3478	3484	rBV	637199	1180994	52.88%	3.998%

Sum of corrected areas: 29540376

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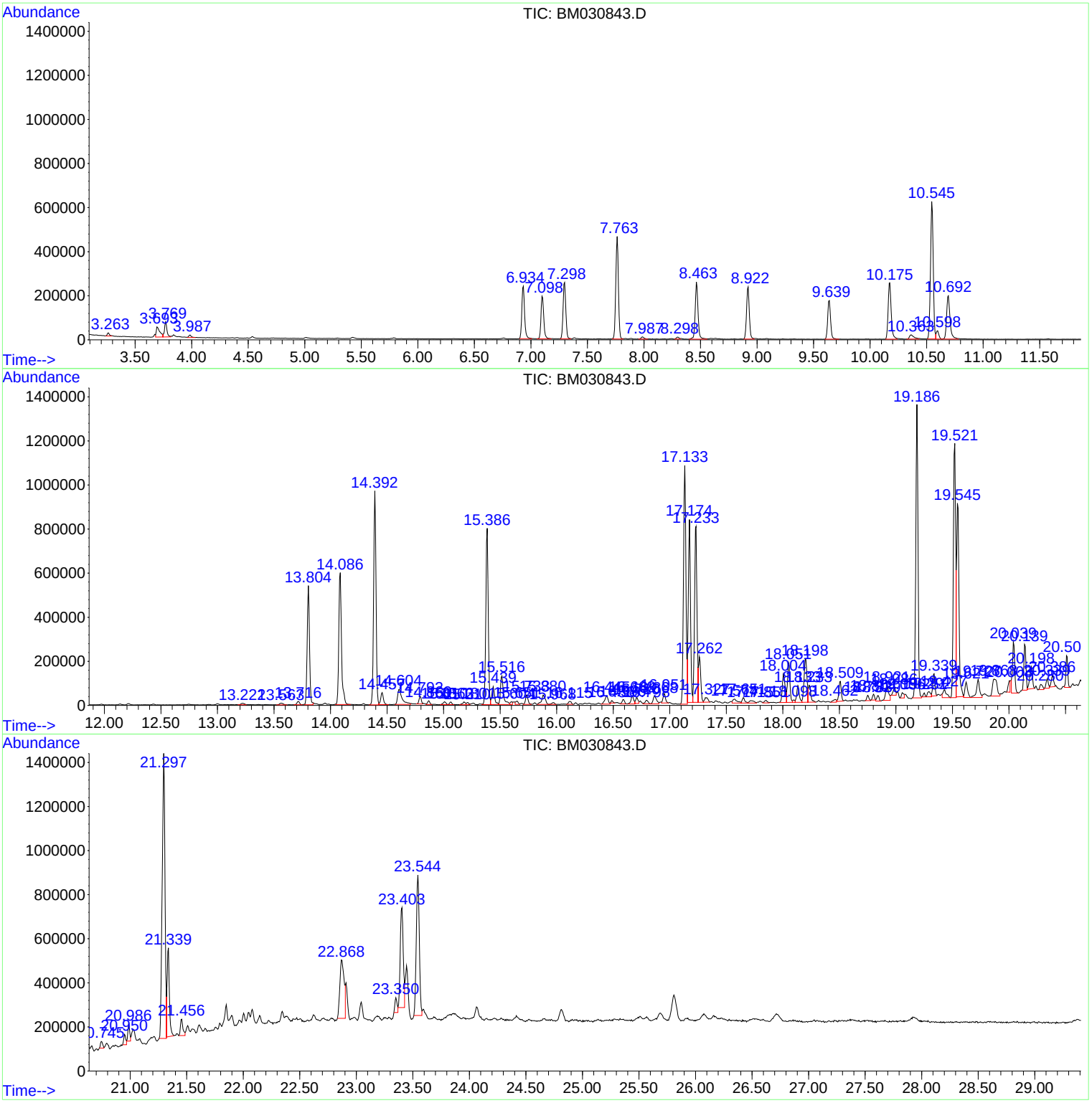
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

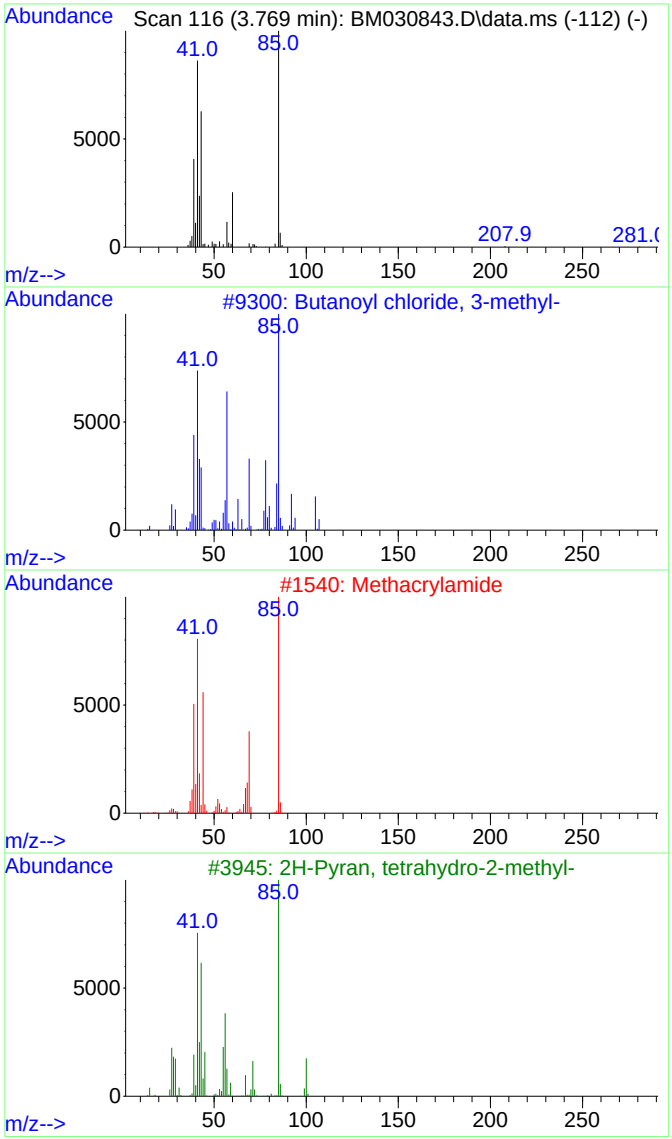
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

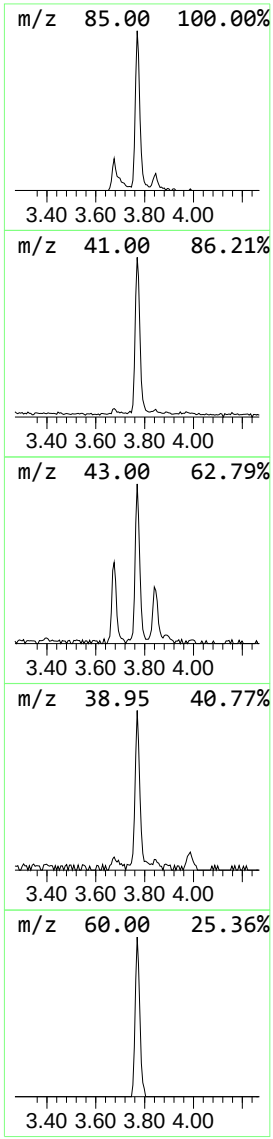
****

Peak Number 1 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.770	2.75 ng/ul	101647	1,4-Dichlorobenzene-d4	7.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoyl chloride, 3-methyl-	120	C5H9ClO	000108-12-3	38
2	Methacrylamide	85	C4H7NO	000079-39-0	38
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	33
4	2H-Pyran, 2-[(5-chloropentyl)oxy...	206	C10H19ClO2	013129-60-7	28
5	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

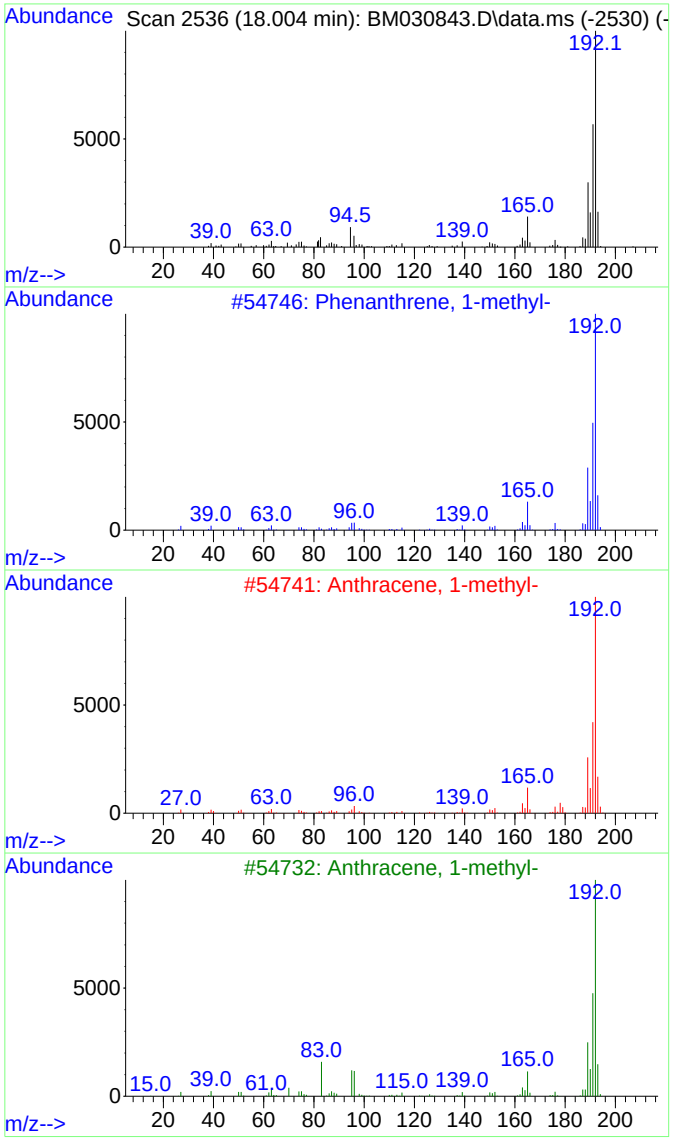
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

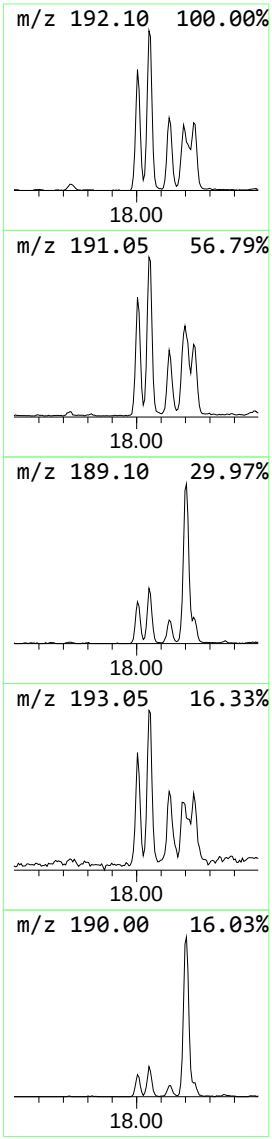
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.000	2.88 ng/ul	234346	Phenanthrene-d10	17.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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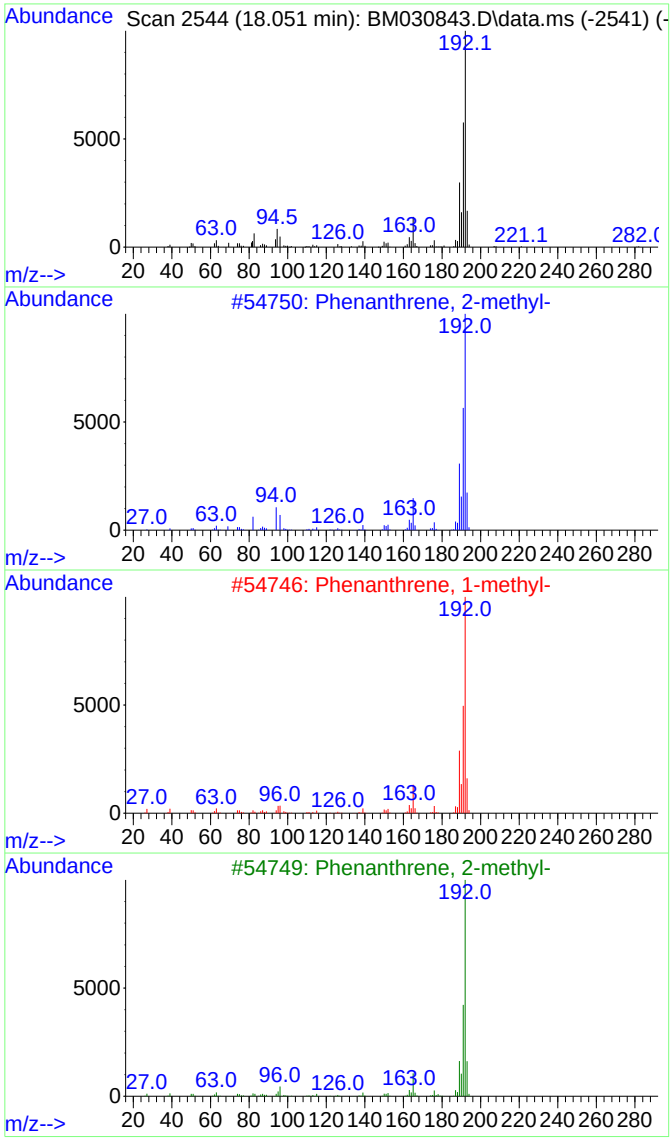
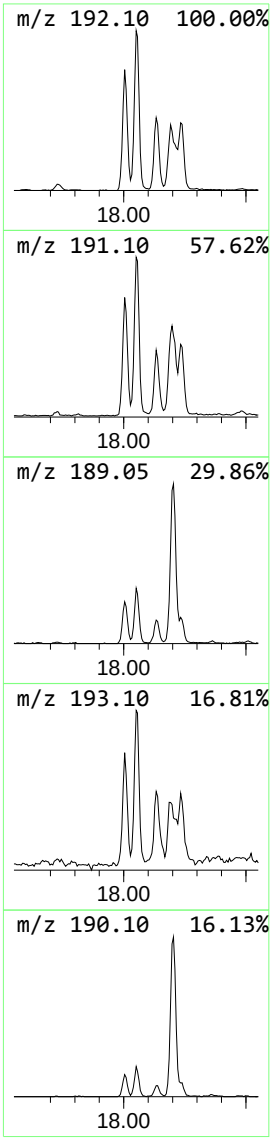
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.050	3.13 ng/ul	254624	Phenanthrene-d10	17.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

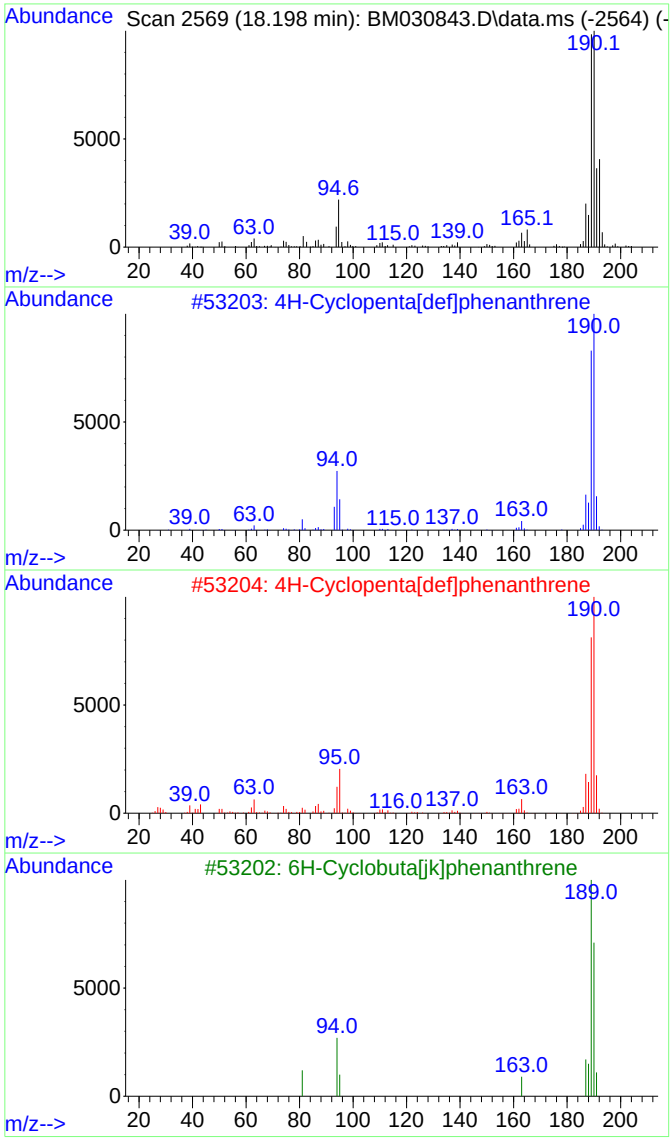
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

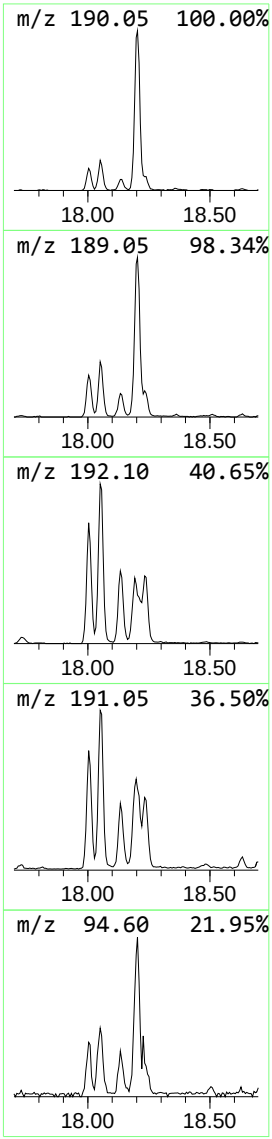
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.200	4.35 ng/ul	353784	Phenanthrene-d10	17.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

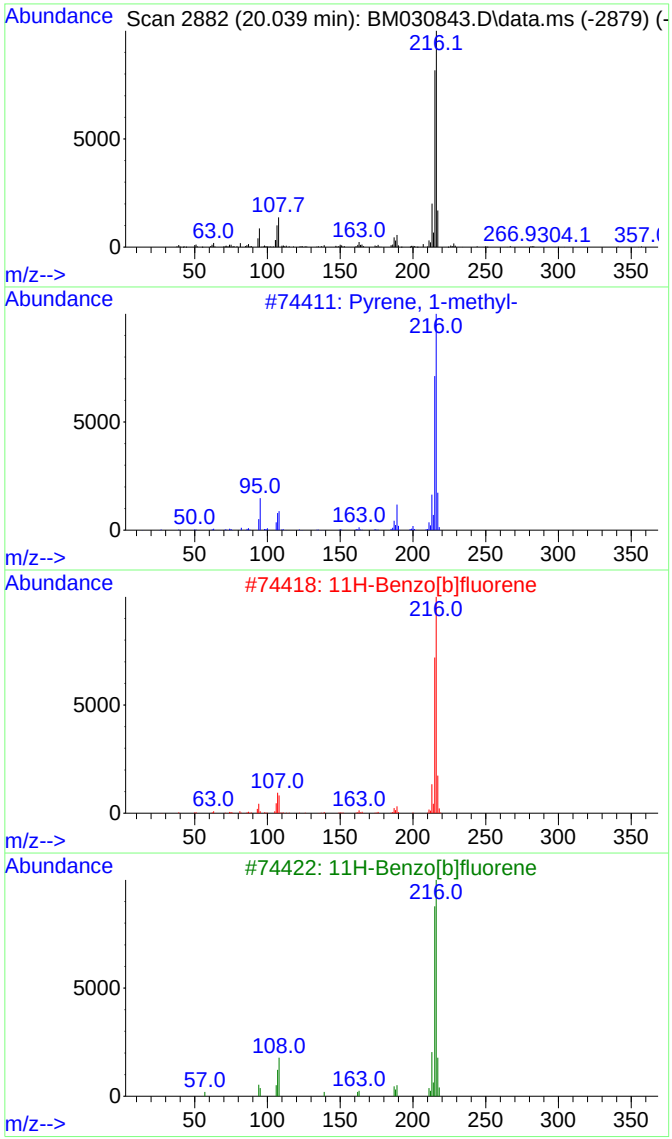
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

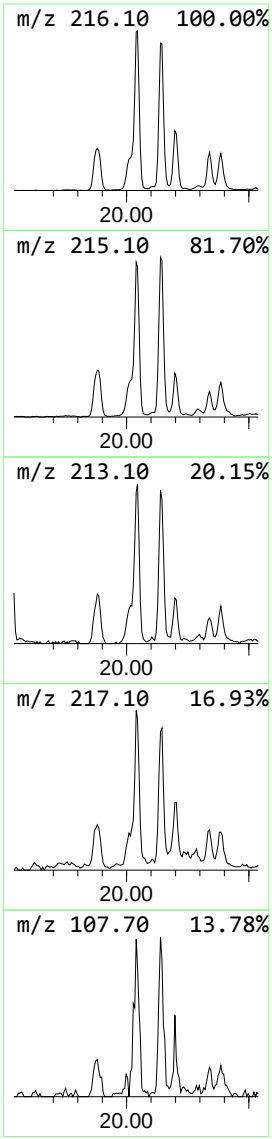
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.040	2.82 ng/ul	314368	Chrysene-d12	21.297

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

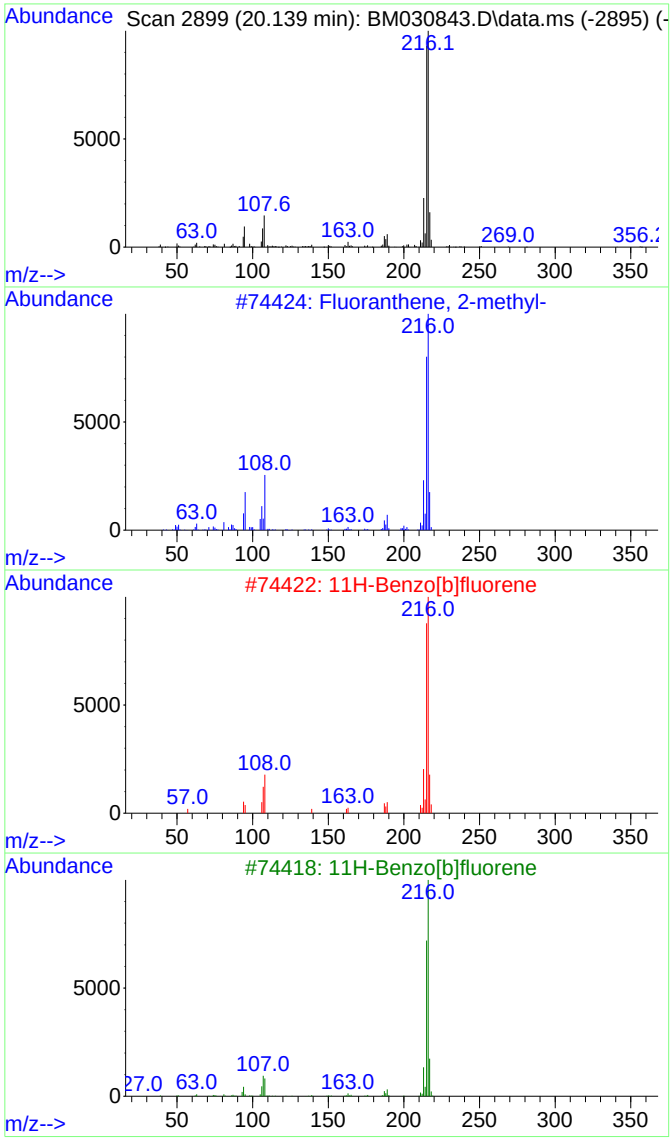
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

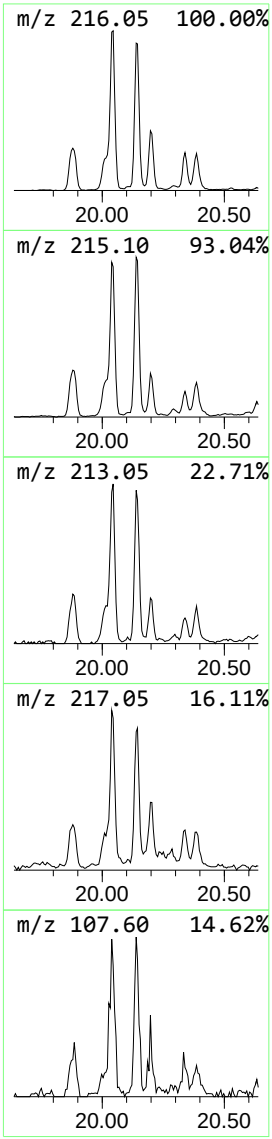
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.140	2.40 ng/ul	268310	Chrysene-d12	21.297

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070621\
Data File : BM030843.D
Acq On : 07 Jul 2021 06:04
Operator : CG/JU
Sample : M2854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.770	2.8	ng/ul	101647	1	7.763	739829	20.0
Phenanthrene, 1...	18.000	2.9	ng/ul	234346	4	17.133	1625260	20.0
Phenanthrene, 2...	18.050	3.1	ng/ul	254624	4	17.133	1625260	20.0
4H-Cyclopenta[d...	18.200	4.3	ng/ul	353784	4	17.133	1625260	20.0
Pyrene, 1-methyl-	20.040	2.8	ng/ul	314368	5	21.297	2233150	20.0
Fluoranthene, 2...	20.140	2.4	ng/ul	268310	5	21.297	2233150	20.0