

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049970.D
 Acq On : 18 Apr 2025 17:45
 Operator : RC/JU
 Sample : Q1826-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % 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\8270-BM040825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.252	41	45	59	rBV	105446	245600	3.20%	0.291%
2	3.964	162	166	175	rVB	81941	121031	1.57%	0.143%
3	4.887	318	323	334	rBV	465489	666623	8.67%	0.789%
4	5.358	397	403	410	rBV	2740197	3975758	51.72%	4.707%
5	5.416	410	413	421	rVB2	78724	156629	2.04%	0.185%
6	5.787	468	476	480	rBV4	56058	109912	1.43%	0.130%
7	5.869	485	490	501	rVV2	113927	332555	4.33%	0.394%
8	5.963	503	506	516	rVB	72336	114206	1.49%	0.135%
9	6.799	638	648	655	rBV	69440	172758	2.25%	0.205%
10	6.952	663	674	685	rBV	2542480	4265182	55.49%	5.049%
11	7.769	806	813	821	rBV	2351864	3742422	48.69%	4.430%
12	7.857	821	828	841	rVB	442447	701607	9.13%	0.831%
13	8.922	1002	1009	1018	rBV	1617661	2630162	34.22%	3.114%
14	9.087	1029	1037	1047	rVB7	40965	118721	1.54%	0.141%
15	10.351	1247	1252	1259	rBV3	28565	78408	1.02%	0.093%
16	10.422	1259	1264	1272	rVB4	52829	91405	1.19%	0.108%
17	10.563	1279	1288	1294	rBV	2687085	4615869	60.05%	5.464%
18	11.334	1413	1419	1425	rBV	162776	284777	3.70%	0.337%
19	12.345	1586	1591	1604	rBV	133257	363141	4.72%	0.430%
20	13.028	1700	1707	1719	rBV	4356866	6328436	82.33%	7.492%
21	14.128	1889	1894	1905	rVB2	180445	353374	4.60%	0.418%
22	14.410	1935	1942	1949	rBV	3841943	5520287	71.81%	6.535%
23	15.769	2168	2173	2179	rVB	431229	601515	7.83%	0.712%
24	15.904	2190	2196	2206	rBV	2742755	3921204	51.01%	4.642%
25	16.133	2231	2235	2243	rVB3	71248	147144	1.91%	0.174%
26	16.704	2327	2332	2336	rBV	282268	397010	5.16%	0.470%
27	16.916	2365	2368	2373	rVV2	129096	168270	2.19%	0.199%
28	16.975	2374	2378	2387	rVB5	115540	223817	2.91%	0.265%
29	17.157	2403	2409	2413	rBV	3710847	5201444	67.67%	6.158%
30	17.198	2413	2416	2423	rVV	855396	1206314	15.69%	1.428%
31	17.286	2427	2431	2436	rVB	262268	356513	4.64%	0.422%
32	17.457	2457	2460	2468	rVB2	221257	368819	4.80%	0.437%
33	17.857	2525	2528	2533	rBV	251437	308286	4.01%	0.365%
34	18.057	2554	2562	2570	rBV2	760255	1943838	25.29%	2.301%
35	18.121	2571	2573	2576	rVV	175587	178506	2.32%	0.211%
36	18.163	2577	2580	2585	rVB	331987	408538	5.31%	0.484%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.221	2586	2590	2595	rBV2	291530	558672	7.27%	0.661%
38	18.533	2640	2643	2647	rVB	179704	210635	2.74%	0.249%
39	18.951	2711	2714	2718	rBV	238575	352885	4.59%	0.418%
40	19.216	2754	2759	2766	rBV	2626464	3362518	43.74%	3.981%
41	19.580	2813	2821	2830	rBV	2856001	4362932	56.76%	5.165%
42	19.780	2851	2855	2860	rVB	4619784	5272488	68.59%	6.242%
43	20.898	3042	3045	3053	rVB	1901682	2208866	28.74%	2.615%
44	21.298	3111	3113	3118	rVB	814138	920397	11.97%	1.090%
45	21.392	3123	3129	3134	rVV2	3767622	7686912	100.00%	9.100%
46	21.439	3134	3137	3146	rVB	1351998	2013613	26.20%	2.384%
47	22.168	3257	3261	3269	rVB	1482048	2358217	30.68%	2.792%
48	24.403	3635	3641	3649	rVB	2033553	4743618	61.71%	5.616%

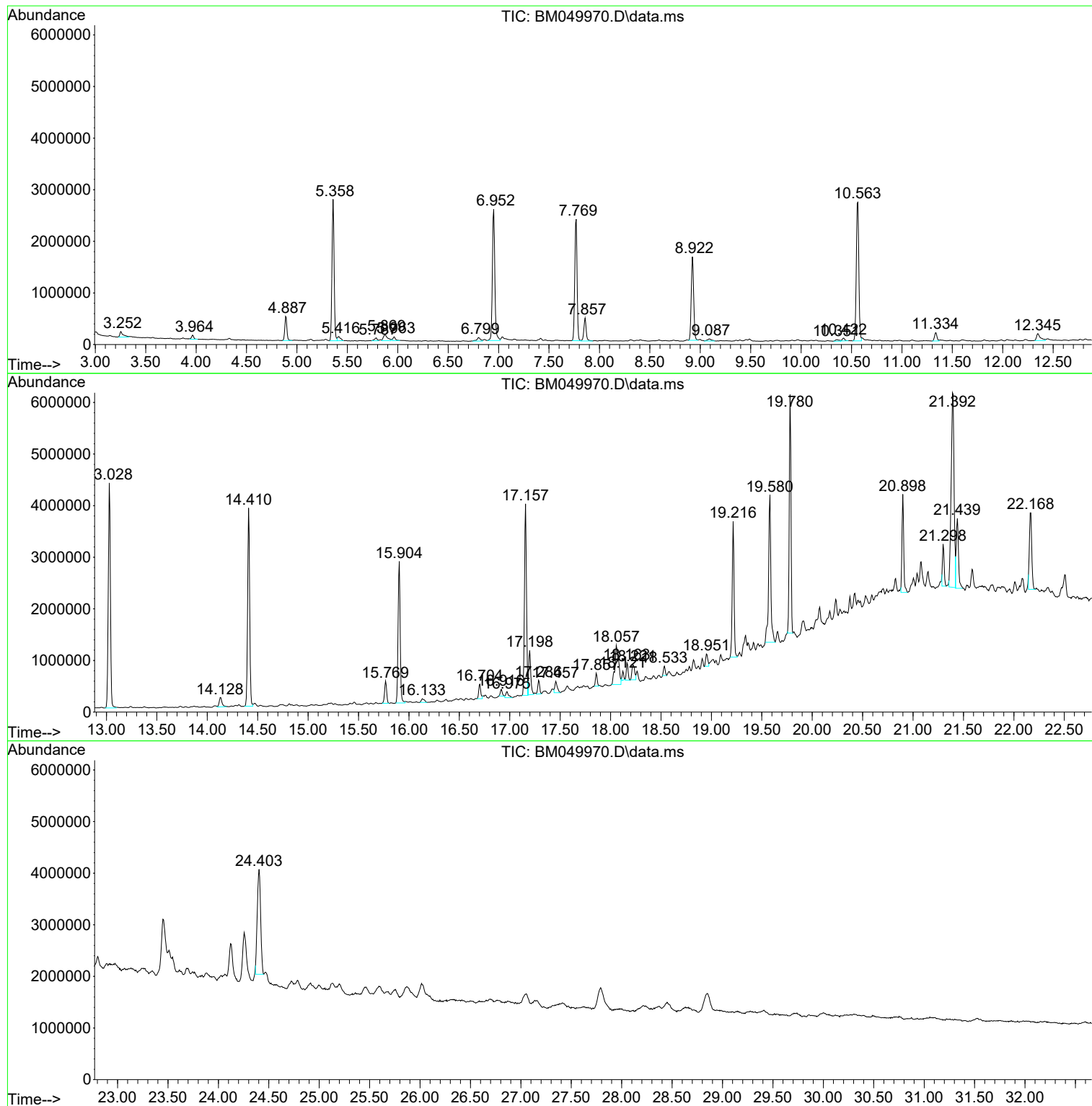
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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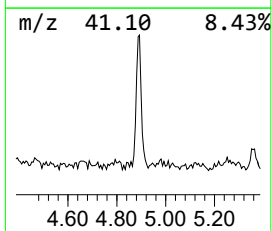
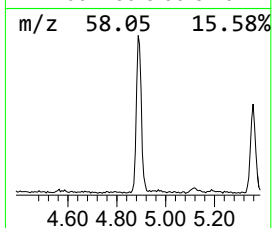
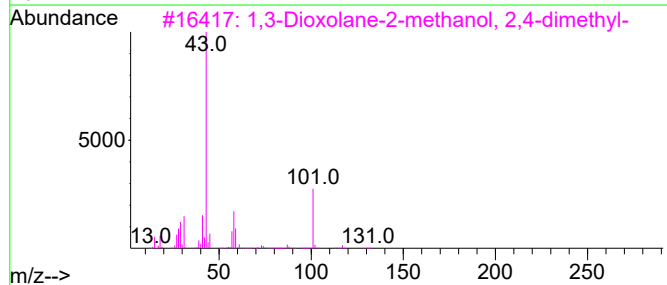
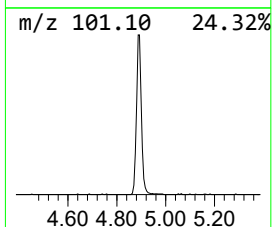
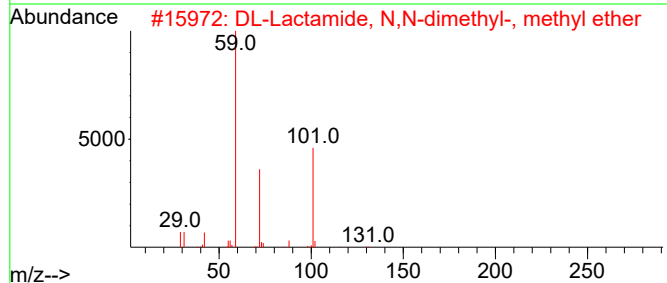
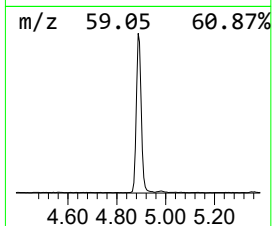
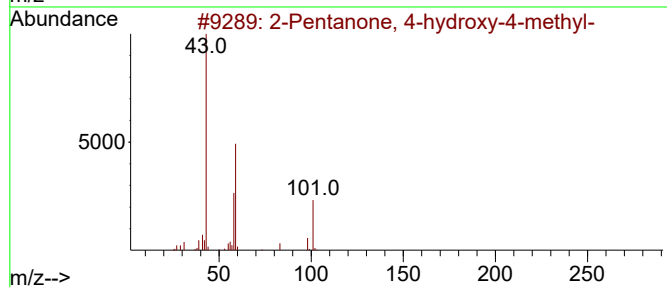
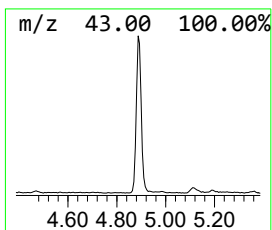
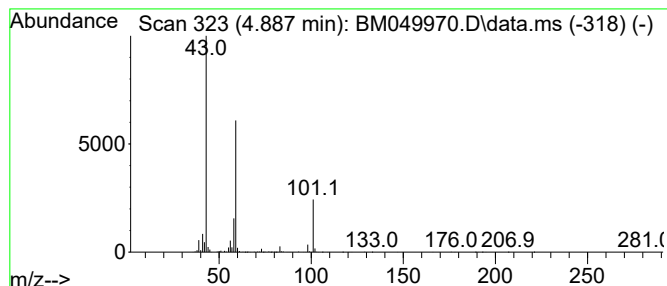
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	3.56 ng	666623	1,4-Dichlorobenzene-d4	7.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	DL-Lactamide, N,N-dimethyl-, met...	131	C6H13NO2	1000452-57-0	33		
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25		
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23		
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		



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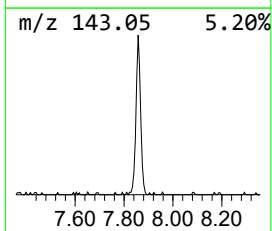
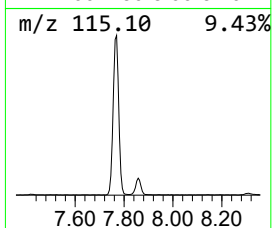
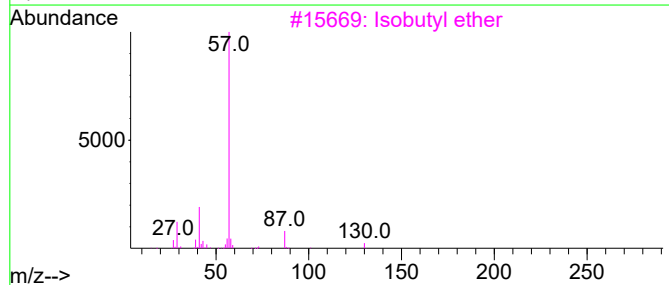
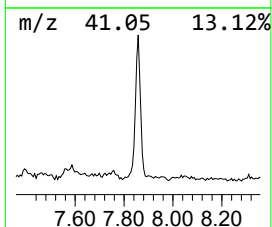
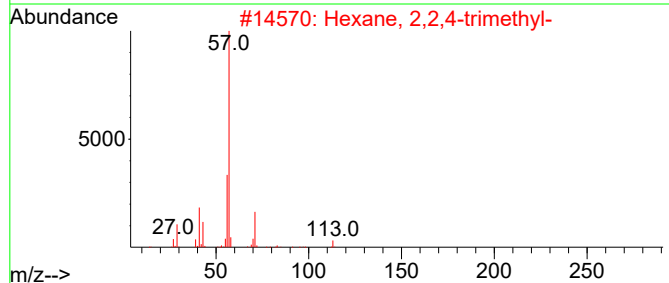
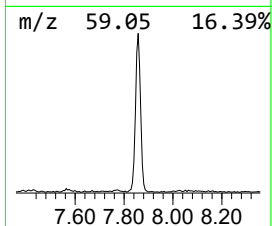
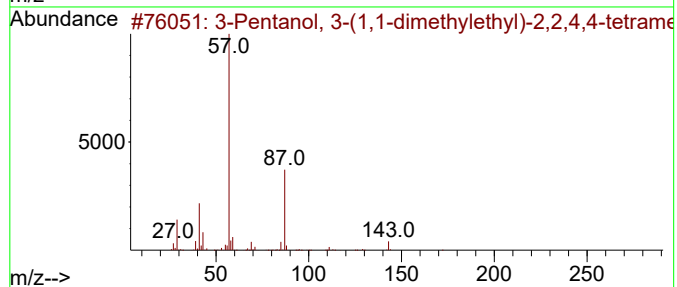
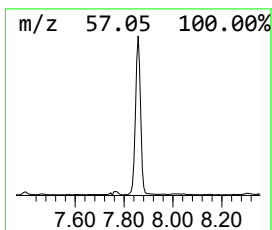
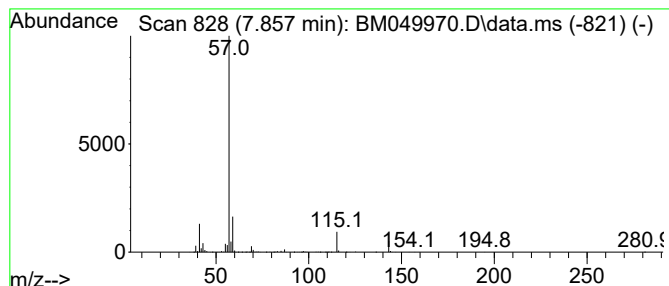
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.857 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.857	3.75 ng	701607	1,4-Dichlorobenzene-d4	7.769

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Pentanol, 3-(1,1-dimethylethyl...	200	C13H28O	041902-42-5	33
2		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	9
3		Isobutyl ether	130	C8H18O	000628-55-7	9
4		di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	9
5		Sulfurous acid, butyl isobutyl e...	194	C8H18O3S	1010309-17-0	9



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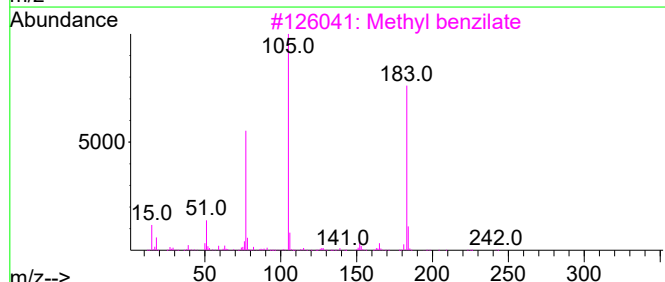
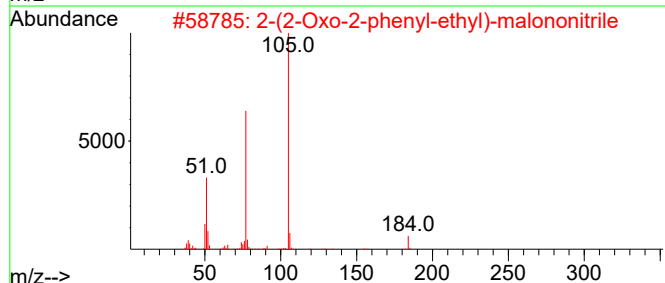
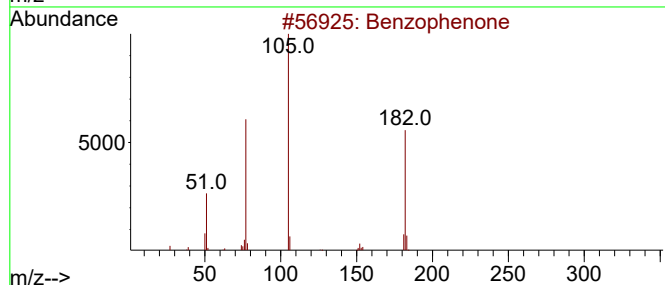
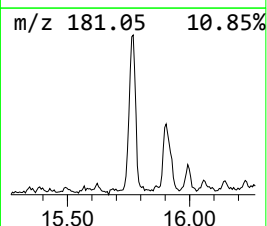
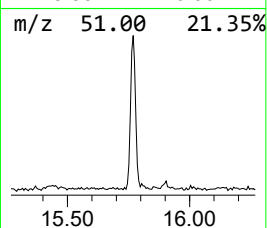
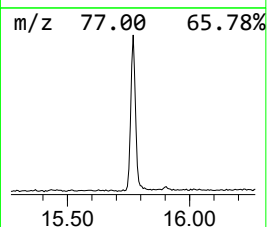
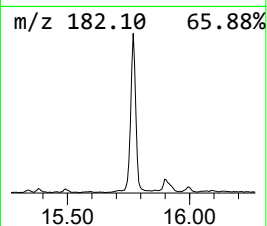
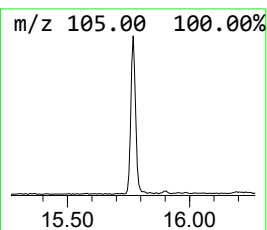
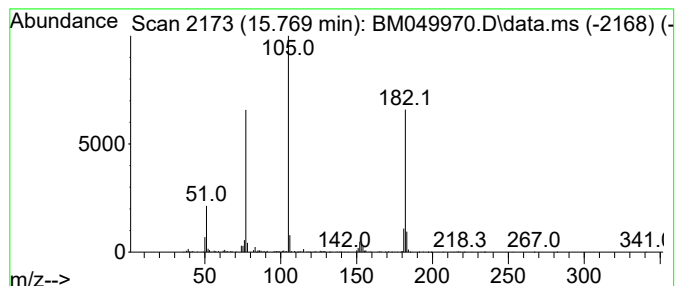
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.769	2.18 ng	601515	Acenaphthene-d10	14.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	49
3			Methyl benzoate	242	C15H14O3	000076-89-1	43
4			Vinyl benzoate	148	C9H8O2	000769-78-8	38
5			S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	38



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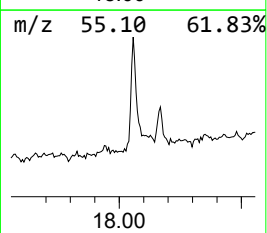
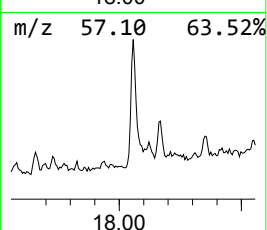
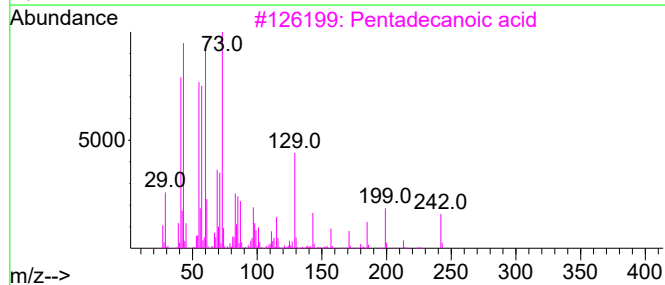
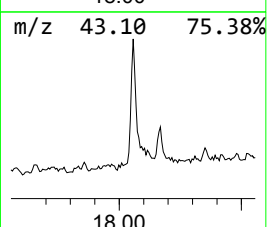
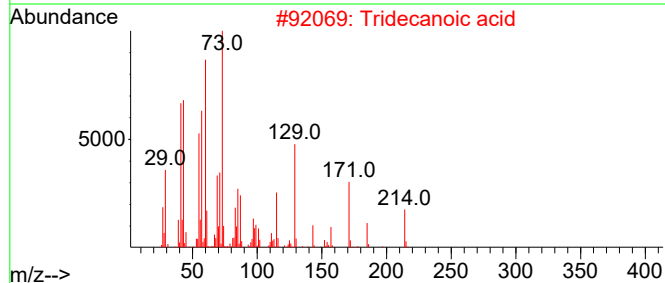
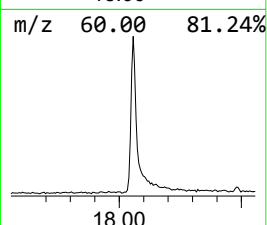
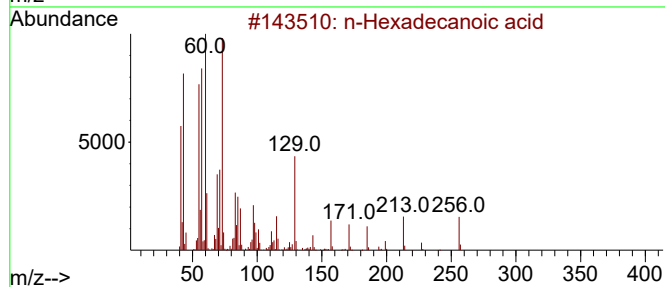
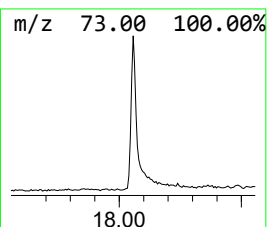
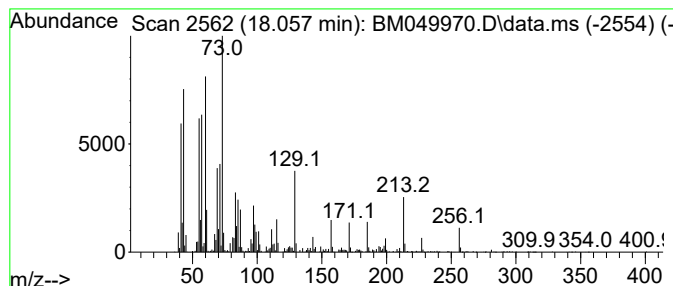
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	7.47 ng	1943840	Phenanthrene-d10	17.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5			Octadecanoic acid	284	C18H36O2	000057-11-4	87



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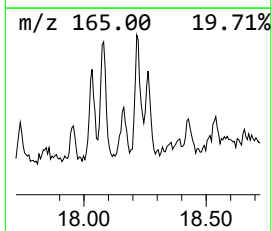
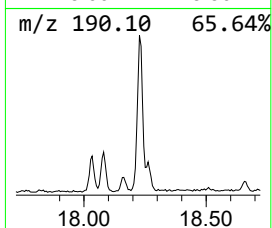
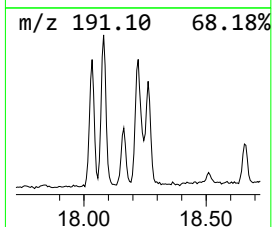
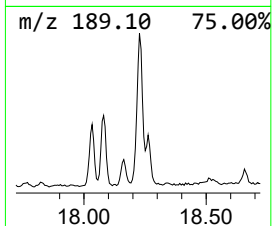
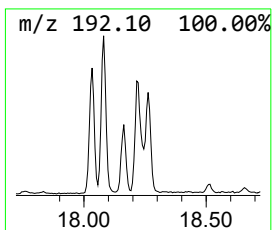
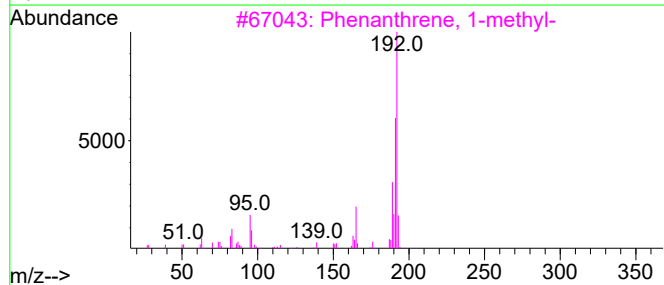
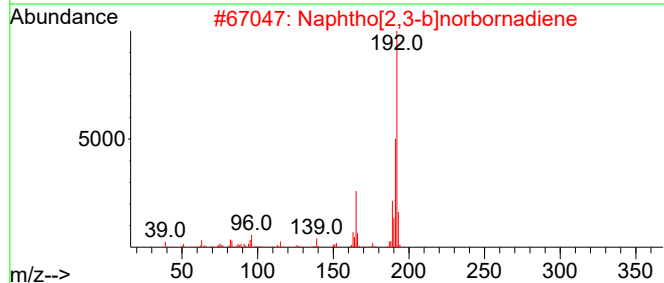
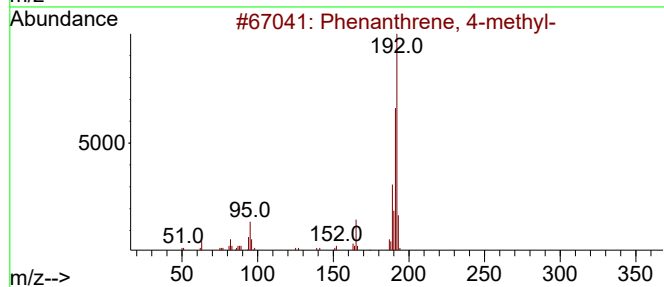
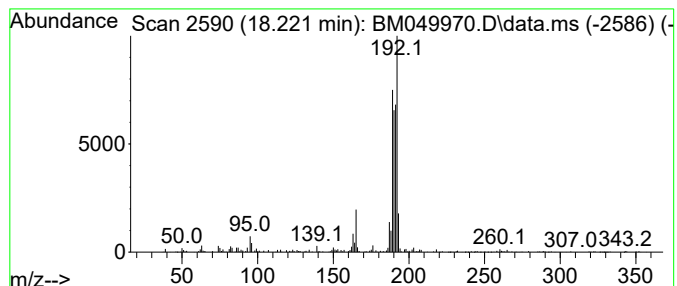
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.221	2.15 ng	558672	Phenanthrene-d10	17.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
2			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049970.D
Acq On : 18 Apr 2025 17:45
Operator : RC/JU
Sample : Q1826-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

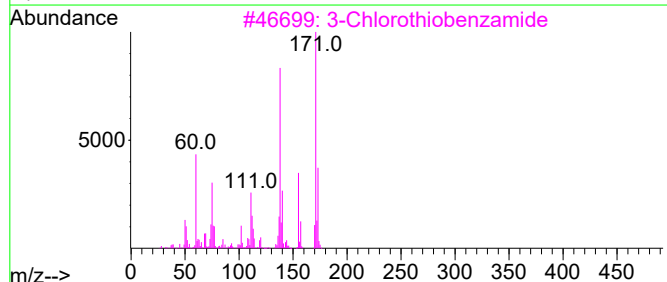
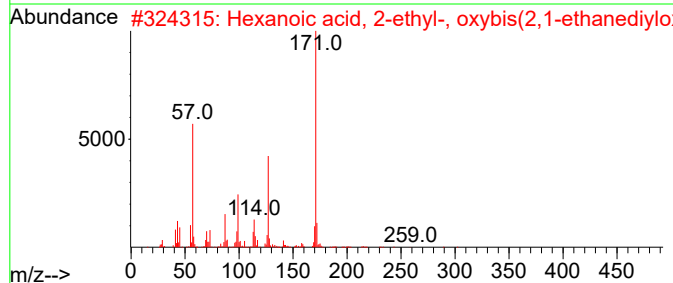
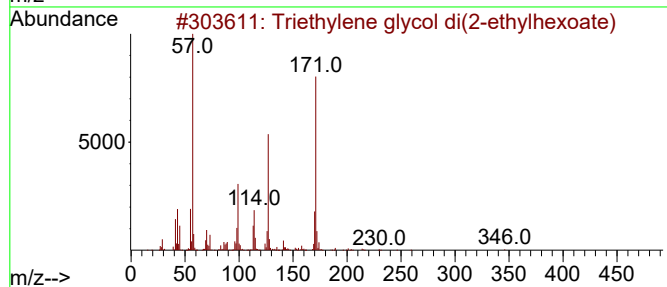
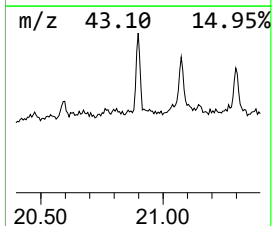
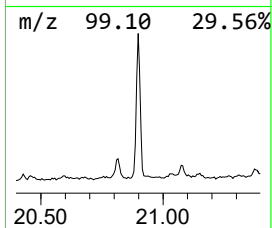
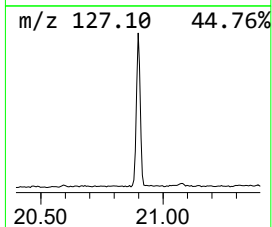
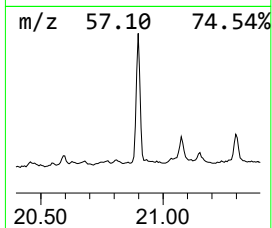
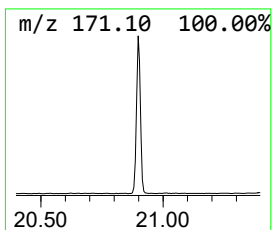
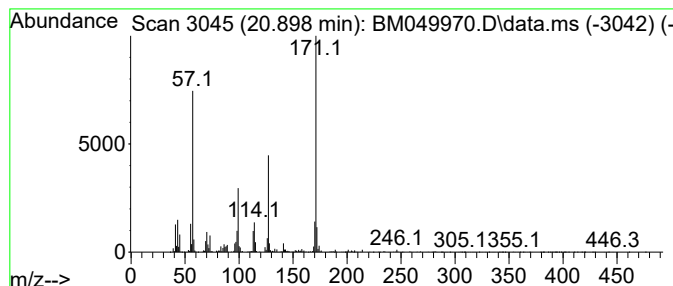
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Triethylene glycol di(2-eth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.898	5.75 ng	2208870	Chrysene-d12	21.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triethylene glycol di(2-ethylhex...	402	C22H42O6	000094-28-0	93
2			Hexanoic acid, 2-ethyl-, oxybis(...	446	C24H46O7	018268-70-7	91
3			3-Chlorothiobenzamide	171	C7H6ClNS	002548-79-0	43
4			4-Fluoro-5-amino veratrole	171	C8H10FN02	000397-75-1	37
5			Ethylbutoxydichlorosilane	200	C6H14Cl2OSi	073420-20-9	33



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049970.D
Acq On : 18 Apr 2025 17:45
Operator : RC/JU
Sample : Q1826-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

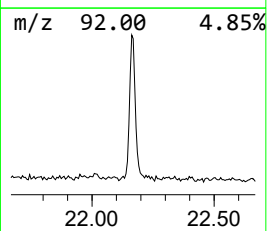
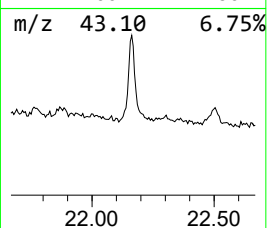
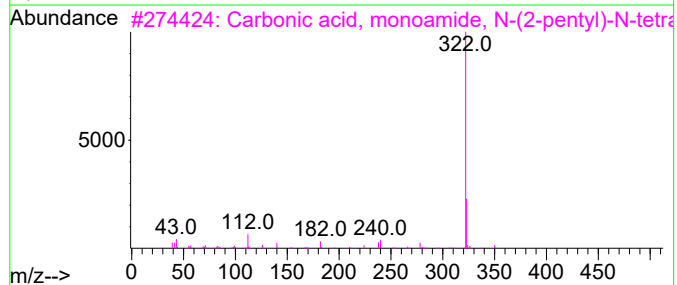
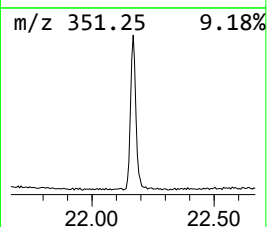
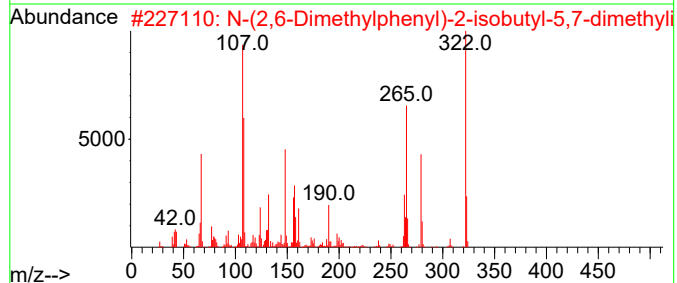
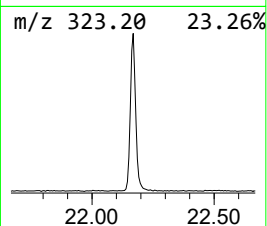
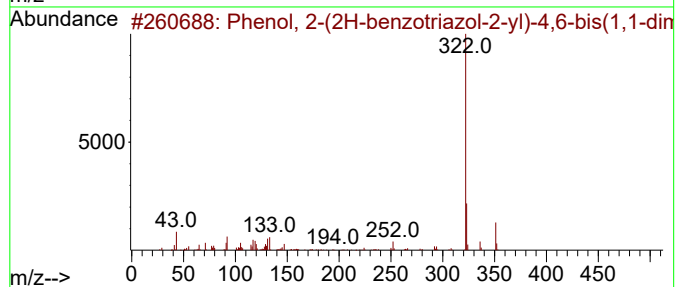
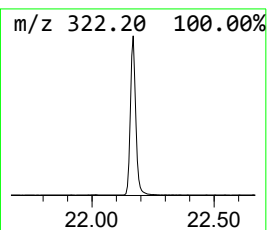
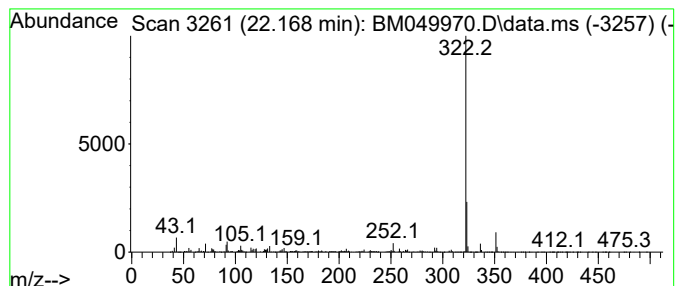
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenol, 2-(2H-benzotriazol-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.168	6.14 ng	2358220	Chrysene-d12	21.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2-(2H-benzotriazol-2-yl)...	351	C22H29N3O	025973-55-1	90
2			N-(2,6-Dimethylphenyl)-2-isobuty...	322	C20H26N4	860149-40-2	59
3			Carbonic acid, monoamide, N-(2-p...	365	C23H43NO2	1010490-04-9	45
4			Pyrazole-4-carboxylic acid, 3-(1...	322	C20H22N2O2	1010272-86-5	45
5			p-Bis(m-methoxyphenoxy)benzene	322	C20H18O4	005024-84-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049970.D
Acq On : 18 Apr 2025 17:45
Operator : RC/JU
Sample : Q1826-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.887	3.6	ng	666623	1	7.769	3742420	20.0
unknown7.857	7.857	3.8	ng	701607	1	7.769	3742420	20.0
Benzophenone	15.769	2.2	ng	601515	3	14.410	5520290	20.0
n-Hexadecanoic ...	18.057	7.5	ng	1943840	4	17.157	5201440	20.0
Phenanthrene, 4...	18.221	2.1	ng	558672	4	17.157	5201440	20.0
Triethylene gly...	20.898	5.8	ng	2208870	5	21.398	7686910	20.0
Phenol, 2-(2H-b...	22.168	6.1	ng	2358220	5	21.398	7686910	20.0